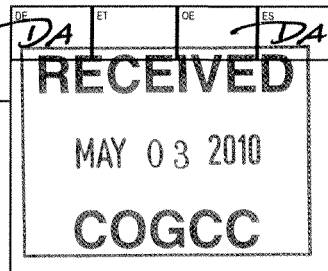




02054378



## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 76104	4. Contact Name: Heidi Lehr	Complete the Attachment Checklist
2. Name of Operator: Samson Resources Company	Phone: 720-587-2503	
3. Address: 370 17th Street Suite 3000	Fax: 720-904-1392	OP OGCC
City: Denver State: CO Zip: 80202		
5. API Number 05-081-07453	OGCC Facility ID Number	Survey Plat n/a
6. Well/Facility Name: State	7. Well/Facility Number 33-15	Directional Survey n/a
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWSE 15 06N 91W 6PM		Surface Eqpmt Diagram n/a
9. County: Moffat	10. Field Name: Wildcat	Technical Info Page X
11. Federal, Indian or State Lease Number:		Other X

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat	(a change of surface qtr/qtr is substantive and requires a new permit)		
Change of Surface Footage from Exterior Section Lines:	FNL/FSL	FEL/FWL	
Change of Surface Footage to Exterior Section Lines:			
Change of Bottomhole Footage from Exterior Section Lines:			
Change of Bottomhole Footage to Exterior Section Lines:			attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer			
Latitude	Distance to nearest property line	Distance to nearest bldg, public rd, utility or RR	
Longitude	Distance to nearest lease line	Is location in a High Density Area (rule 603b)?	Yes/No
Ground Elevation	Distance to nearest well same formation	Surface owner consultation date:	

## GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation Formation Code Spacing order number Unit Acreage Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):Effective Date: Plugging Bond: ☐ Blanket ☐ Individual☐ CHANGE WELL NAME

NUMBER

From: To: Effective Date:

☐ ABANDONED LOCATION:Was location ever built? ☐ Yes ☐ No  
Is site ready for inspection? ☐ Yes ☐ No  
Date Ready for Inspection:☐ NOTICE OF CONTINUED SHUT IN STATUSDate well shut in or temporarily abandoned:  
Has Production Equipment been removed from site? ☐ Yes ☐ No  
MIT required if shut in longer than two years. Date of last MIT☐ SPUD DATE:☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK

\*submit cbl and cement job summaries

Method used Cementing tool setting/perf depth Cement volume Cement top Cement bottom Date

☐ RECLAMATION:

Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

☒ Notice of Intent

Approximate Start Date: 4/20/2010

☐ Report of Work Done

Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)☒ Request to Vent or Flare☐ E&P Waste Disposal☐ Change Drilling Plans☐ Repair Well☐ Beneficial Reuse of E&P Waste☐ Gross Interval Changed?☐ Rule 502 variance requested☐ Status Update/Change of Remediation Plans☐ Casing/Cementing Program Change☐ Other:

for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Heidi Lehr

Date: 4/20/2010 Email: hlehr@samson.com

Print Name: Heidi Lehr

Title: Sr Engineering Technician

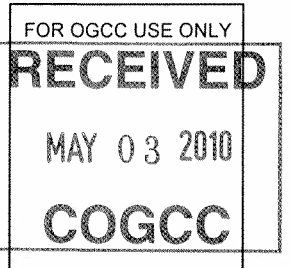
COGCC Approved: David And Title PE II

Date: 6/15/2010

CONDITIONS OF APPROVAL, IF ANY:

- 1) Comply with all requirements of Rule 912, including monthly reporting of flared volumes and notifications to local emergency dispatch or the local government designee.
- 2) Submit annual updates (requests to flare) to COGCC on Form 4's (Sundry Notices), which discuss whether or not any new gathering systems or increased development of the field have changed pipeline economics such that installation of a new pipeline would be an economically viable option in lieu of continued flaring.
- 3) Obtain any air permits that may be required by the Colorado Department of Public Health and Environment.

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: 76104 API Number: 05- 081-07453
2. Name of Operator: Samson Resources Company OGCC Facility ID #
3. Well/Facility Name: State Well/Facility Number: 33-15
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSE 15 06N 91W 6PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Samson Resources Company is requesting approval from the COGCC to flare gas for the subject well. The well produces minimal volumes of gas that do not economically justify facilities and a gathering line to move the gas to sales. Documentation is attached.

*Discussed verbal approval to proceed  
with Heidi Lehr on 4-22-2010.*

*D.A.*

**Applied Technology Services**  
1210 D Street, Rock Springs, WY 82901 (307)352-7292

**RECEIVED**  
  
MAY 28 2010  
  
**COGCC**

Meter Name: STATE 33-15  
Field Name: WILD CAT  
Analyst: TOMICH

Meter Loc. #: S3315      Report Date: 11/17/2009 16:28:00  
Cylinder Pressure: 0 psig      Sample Date(s): 10/30/2009  
Line Pressure: 0 psig      Flowing Temp: 0° F

Gas Analysis by Chromatograph				
NAME	MOLE%	BTU	SG	GPM
Nitrogen	0.3013	0	0.0029	0
Methane	64.982	657.8366	0.3599	0
CO2	0.5779	0	0.0088	0
Ethane	11.4753	203.5482	0.1191	3.0681
H2S	0	0	0	0
Propane	11.2294	283.1966	0.171	3.0929
i-Butane	1.5728	51.2642	0.0316	0.5146
n-Butane	5.158	168.6587	0.1035	1.6257
i-Pentane	1.3705	54.9592	0.0341	0.5011
n-Pentane	1.519	61.033	0.0378	0.5505
Hexanes	0.9554	45.543	0.0284	0.3928
Heptanes	0.7524	41.4973	0.026	0.3471
Octanes	0.0775	4.8542	0.0031	0.0397
Nonanes	0.0285	1.9986	0.0013	0.016
Ideal Total	100.0	1574.3897	0.9276	10.1484

Gross BTU/Real Cu Ft. @60 deg F			
Pressure Base =	14.73	14.65	15.025
Dry =	1584.3908	1575.7315	1616.3273
Saturated =	1558.4523	1549.7897	1590.4006
Actual BTU =	1584.3908	1575.7315	1616.3273
Real S. G. =	0.933084	0.933052	0.933203
Compressibility	0.993688	0.993722	0.993561

Gasoline Content	
Pressure Base =	14.73
Propane GPM =	3.0929
Butane GPM =	2.1403
14# Gasoline GPM =	1.9683
26# Gasoline GPM =	2.7794
Total GPM =	10.1484

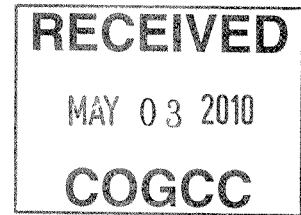
**Sulfur Content**  
Mercaptans ppm = N/A  
H2S ppm = N/A

**Dewpoints**  
H2O #/mmcf = N/A  
Hydrocarbon °F = N/A  
@ psig = N/A

Comments



SUITE 3000  
370 17<sup>TH</sup> ST  
DENVER CO 80202  
USA  
720/904-1391  
FAX: 720/904-1392



April 21, 2010

State of Colorado  
Oil & Gas Conservation Commission  
Attn: David Andrews  
707 Wapiti Court, Suite 204  
Rifle, CO 81650

Re: State 33-15      Moffat County, CO      API# 081-07453

Dear Mr. Andrews:

Samson Resources Company is requesting approval from the COGCC to flare gas from the State 33-15 well located at SE 15-6N-91W, Moffat County, Colorado. The well produces minimal volumes of gas that do not economically justify facilities and a gathering line to move the gas to sales. I have provided documentation from Tom Hewett, Sr. District Engineer; Mike Conder, Sr. Facilities Engineer; and, Mark Gotcher, Sr. Gas Contract Representative. This documentation includes an economic report and a report of the past & current rates from the gas meter.

As summarized in the economic report, the estimated capital cost to sell gas amounts to \$3.72MM yet the projected revenue f/the gas stream is forecast to total only \$0.5MM over the well's lifetime. Discounting cash flows @ 8.5% as is Samson's internal metric, the loss on the investment would be \$3.4MM.

Should you have any questions or need additional information, please contact me at [hlehr@samson.com](mailto:hlehr@samson.com) or 720-587-2503.

Sincerely,  
SAMSON RESOURCES

A handwritten signature in black ink, appearing to read 'Heidi Lehr'.

Heidi Lehr  
Sr. Engineering Technician

043145 - STATE 33-15  
CRAIG -- NIOBRARA  
15-06N-91W MOFFAT , CO  
SAMSON RESOURCES COMPANY  
PROVED DEVELOPED PRODUCING  
UWI:

Date: 04/19/2010  
Time: 16:13:42  
DBS: US\_CRB  
Settings: SETDATA01\_10  
Scenario: CRB\_NYMEX\_KKJ

KEYWORD & Ref. Code	C O M B I N E D   I N P U T   D A T A							I N I T I A L   C A L C U L A T E D   D A T A				
	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
400 START	10/2009											
401 OIL	1625.00	150.00	B/M	X	YRS	EXP	12.00	179.799	8/2028	12.0000	1625.	149.
402 GAS/OIL	0.80	0.80	M/B	TO	LIFE	LOG	TIME	8/2028				
403 START	10/2009											
404 OIL	1616.85	30.00	B/M	X	YRS	EXP	8.87	246.308	12/2052	8.8708	1617.	30.
500 PAJ/GAS	0.00	X	\$/M	TO	LIFE	ESC	ESC3	12/2009			-0.250	
501 PAJ/GAS	-0.25	X	\$/M	TO	LIFE	PC	0.00	12/2010				
502 PAJ/GAS	0.00	X	\$/M	TO	LIFE	ESC	SDEDESC	12/2011				
505 PRI/GAS	5.7300	X	\$/M	01/2010	AD	PC	0.00	12/2009			5.730	6.330
506 "	6.33	X	\$/M	01/2011	AD	PC	0.00	12/2010			6.330	
507 "	6.50	X	\$/M	01/2012	AD	PC	0.00	12/2011			6.500	
508 "	6.70	X	\$/M	TO	LIFE	PC	0.00	7/2040			6.700	
509 PRI/OIL	0.0000	X	\$/B	01/2010	AD	PC	0.00	12/2009			-0.550	
510 "	0.00	X	\$/B	01/2011	AD	PC	0.00	12/2010				
511 "	0.00	X	\$/B	01/2012	AD	PC	0.00	12/2011				
512 "	0.00	X	\$/B	TO	LIFE	PC	0.00	7/2040				
513 PAJ/GAS	-0.55	X	\$/M	TO	LIFE	PC	0.00	7/2040				
600 STX/OIL	4.05	X	%	TO	LIFE	PC	0.00	7/2040			0.041	0.041
601 STX/GAS	4.05	X	%	TO	LIFE	PC	0.00	7/2040			0.041	0.041
602 STX/NGL	4.05	X	%	TO	LIFE	PC	0.00	7/2040			0.041	0.041
603 ATX	2.50	X	%	TO	LIFE	PC	0.00	7/2040			0.025	0.025
705 LSE/WI	100.0000	D	%	TO	LIFE	FLAT	0.00	7/2040			1.000	1.000
720 NET/OIL	85.5000	D	%	TO	LIFE	FLAT	0.00	7/2040			0.855	0.855
740 NET/GAS	85.5000	D	%	TO	LIFE	FLAT	0.00	7/2040			0.855	0.855

OVERLAYS	Beginning, Ending Rates			Schedule Limit		Method & Value		Ultimate @	End Pt.	Init.Deff	Init. Rate	Final Rate
900 PRI GAS	1.0000	X	FRAC	TO	LIFE	MUL	196.00		12/2052			
INVESTMENTS	Tangible Intang Units			Invest. Point		Method & Value		Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 CAPITAL	0.00	3720.00	M\$G	0.00	YRS	ESC	ESC3	3720.000	1/2010	0	3720.0	0.0

MISCELLANEOUS DATA PARAMETERS

201 LIFE 30.58  
202 LOSS OK  
203 CUMO, MB 41.29 CUMG, MMF

PROJECT RUN SETTINGS

Base Date : 01/2010 Time Frames : 12,99\*12  
P.W. Date : 01/2010 Primary PW% : 8.5 Discount Freq. : MID  
Report Date : 01/2010  
Qualifiers : Prod = KKJ Price = NYMEX Cost = KKJ Owner = KKJ  
Title = DEFAULT Misc = KKJ Invest = KKJ Overlay = KKJ

RESERVES AND ECONOMICS

EFFECTIVE DATE: 01/2010

--END-- MO-YEAR	-----GROSS PRODUCTION-----			-----NET PRODUCTION-----			NO. OF WELLS	-----PRICES-----		
	OIL, MBBL	GAS, MMCF	NGL, MBBL	OIL, MBBL	GAS, MMCF	NGL, MBBL		OIL \$/B	GAS \$/M	NGL \$/B
12-2010	36.833	14.644	0.000	31.493	12.521	0.000	1.0	0.00	5.53	0.00
12-2011	32.993	12.887	0.000	28.209	11.018	0.000	1.0	0.00	5.70	0.00
12-2012	29.562	11.340	0.000	25.276	9.696	0.000	1.0	0.00	5.90	0.00
12-2013	26.496	9.980	0.000	22.654	8.532	0.000	1.0	0.00	5.90	0.00
12-2014	23.756	8.782	0.000	20.311	7.509	0.000	1.0	0.00	5.90	0.00
12-2015	21.305	7.728	0.000	18.216	6.608	0.000	1.0	0.00	5.90	0.00
12-2016	19.113	6.801	0.000	16.341	5.815	0.000	1.0	0.00	5.90	0.00
12-2017	17.151	5.985	0.000	14.664	5.117	0.000	1.0	0.00	5.90	0.00
12-2018	15.396	5.267	0.000	13.163	4.503	0.000	1.0	0.00	5.90	0.00
12-2019	13.824	4.635	0.000	11.819	3.963	0.000	1.0	0.00	5.90	0.00
12-2020	12.416	4.078	0.000	10.616	3.487	0.000	1.0	0.00	5.90	0.00
12-2021	11.155	3.589	0.000	9.538	3.069	0.000	1.0	0.00	5.90	0.00
12-2022	10.025	3.158	0.000	8.572	2.700	0.000	1.0	0.00	5.90	0.00
12-2023	9.013	2.779	0.000	7.706	2.376	0.000	1.0	0.00	5.90	0.00
12-2024	8.104	2.446	0.000	6.929	2.091	0.000	1.0	0.00	5.90	0.00
12-2025	7.290	2.152	0.000	6.233	1.840	0.000	1.0	0.00	5.90	0.00
12-2026	6.559	1.894	0.000	5.608	1.619	0.000	1.0	0.00	5.90	0.00
12-2027	5.903	1.667	0.000	5.047	1.425	0.000	1.0	0.00	5.90	0.00
12-2028	4.729	0.998	0.000	4.043	0.854	0.000	1.0	0.00	5.90	0.00
12-2029	3.172	0.000	0.000	2.712	0.000	0.000	1.0	0.00	0.00	0.00
S TOT	314.795	110.810	0.000	269.149	94.742	0.000	1.0	0.00	5.83	0.00
AFTER	20.394	0.000	0.000	17.436	0.000	0.000	1.0	0.00	0.00	0.00
TOTAL	335.188	110.810	0.000	286.586	94.742	0.000	1.0	0.00	5.83	0.00

--END-- MO-YEAR	TOTAL NET REV	SEV TAXES	ADVAL TAXES	NET OPER EXPENSES	OPERATION CASHFLOW	CAPITAL COSTS	CASH FLOW BTAX, M\$	CUM. CASH BTAX, M\$	8.5% CUM. DISC
									BTAX, M\$
12-2010	69.239	2.804	1.661	0.000	64.774	3720.000	-3655.226	-3655.226	-3657.815
12-2011	62.804	2.544	1.507	0.000	58.754	0.000	58.754	-3596.472	-3605.828
12-2012	57.206	2.317	1.372	0.000	53.517	0.000	53.517	-3542.955	-3562.185
12-2013	50.342	2.039	1.208	0.000	47.095	0.000	47.095	-3495.860	-3526.787
12-2014	44.301	1.794	1.063	0.000	41.444	0.000	41.444	-3454.416	-3498.078
12-2015	38.985	1.579	0.935	0.000	36.471	0.000	36.471	-3417.945	-3474.792
12-2016	34.306	1.389	0.823	0.000	32.094	0.000	32.094	-3385.851	-3455.907
12-2017	30.190	1.223	0.724	0.000	28.243	0.000	28.243	-3357.608	-3440.589
12-2018	26.567	1.076	0.637	0.000	24.854	0.000	24.854	-3332.755	-3428.166
12-2019	23.379	0.947	0.561	0.000	21.871	0.000	21.871	-3310.884	-3418.090
12-2020	20.573	0.833	0.494	0.000	19.247	0.000	19.247	-3291.637	-3409.918
12-2021	18.105	0.733	0.434	0.000	16.937	0.000	16.937	-3274.700	-3403.290
12-2022	15.932	0.645	0.382	0.000	14.905	0.000	14.905	-3259.795	-3397.914
12-2023	14.020	0.568	0.336	0.000	13.116	0.000	13.116	-3246.679	-3393.553
12-2024	12.338	0.500	0.296	0.000	11.542	0.000	11.542	-3235.137	-3390.017
12-2025	10.857	0.440	0.260	0.000	10.157	0.000	10.157	-3224.980	-3387.149
12-2026	9.554	0.387	0.229	0.000	8.938	0.000	8.938	-3216.042	-3384.823
12-2027	8.408	0.341	0.202	0.000	7.866	0.000	7.866	-3208.176	-3382.936
12-2028	5.037	0.204	0.121	0.000	4.712	0.000	4.712	-3203.464	-3381.894
12-2029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-3203.464	-3381.894
S TOT	552.143	22.362	13.245	0.000	516.536	3720.000	-3203.464	-3203.464	-3381.894
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-3203.464	-3381.894
TOTAL	552.143	22.362	13.245	0.000	516.536	3720.000	-3203.464	-3203.464	-3381.894

Q43145 - STATE 33-15  
CRAIG -- NIOBRARA  
15-06N-91W MOFFAT , CO  
SAMSON RESOURCES COMPANY  
PROVED DEVELOPED PRODUCING  
UWI:

DATE : 04/19/2010  
TIME : 16:13:42  
DBS : US\_CRB  
SETTNG: SETDATA01\_10  
SCENAR: CRB\_NYMEX\_KKJ

R E S E R V E S   A N D   E C O N O M I C S

EFFECTIVE DATE: 01/2010

	OIL	GAS			P.W. %	P.W., M\$
	-----	-----			-----	-----
GROSS WELLS	1.0	0.0	LIFE, YRS.	30.58	0.00	-3203.464
GROSS ULT., MB & MMF	376.475	110.810	DISCOUNT %	8.50	6.00	-3343.081
GROSS CUM., MB & MMF	41.287	0.000	UNDISCOUNTED PAYOUT, YRS.	30.58	8.50	-3381.894
GROSS RES., MB & MMF	335.188	110.810	DISCOUNTED PAYOUT, YRS.	30.58	10.00	-3401.586
NET RES., MB & MMF	286.586	94.742	UNDISCOUNTED NET/INVEST.	0.14	12.00	-3424.486
NET REVENUE, M\$	0.000	552.143	DISCOUNTED NET/INVEST.	0.09	15.00	-3453.097
INITIAL PRICE, \$	0.000	5.530	RATE-OF-RETURN, PCT.	0.00	16.00	-3461.385
INITIAL N.R.I., PCT.	85.500	85.500	INITIAL W.I., PCT.	100.000	17.00	-3469.142
FINAL N.R.I., PCT.	85.500	85.500	FINAL W.I., PCT.	100.000	18.00	-3476.417
					19.00	-3483.248
					20.00	-3489.677
					22.00	-3501.455
					23.00	-3506.860
					24.00	-3511.978
					25.00	-3516.827

Daily Estimated Production

Start Date: Oct 16, 2009      State: COLORADO  
End Date: Apr 21, 2010      County: MOFFAT

Well Completion	Pumper	Production Date	Tbg Press.	CSG Press.	Line Press.	Flared Gas	Down Hours
STATE 33-15	COOPER, KEN	10/16/09	100		0		0
STATE 33-15	COOPER, KEN	10/17/09	100		0		0
STATE 33-15	COOPER, KEN	10/18/09	80	20	0		0
STATE 33-15	COOPER, KEN	10/19/09	100	20	28.2	13.841	0
STATE 33-15	COOPER, KEN	10/20/09	100	25	28.5	16.487	0
STATE 33-15	COOPER, KEN	10/21/09	100	20	28.5	16.487	0
STATE 33-15	COOPER, KEN	10/22/09	90	20	27.8	16.69	4
STATE 33-15	COOPER, KEN	10/23/09	60	18	27.9	16.283	0
STATE 33-15	COOPER, KEN	10/24/09	60	18	27.5	15.978	0
STATE 33-15	COOPER, KEN	10/25/09	60	18	28.1	15.266	20
STATE 33-15	COOPER, KEN	10/26/09	60	18	27.4	14.553	0
STATE 33-15	COOPER, KEN	10/27/09	60	18	27.4	14.553	0
STATE 33-15	COOPER, KEN	10/28/09	60	18	27.4	14.553	0
STATE 33-15	COOPER, KEN	10/29/09	80	18	25.6	15.876	0
STATE 33-15	COOPER, KEN	10/30/09	60	18	26.2	15.062	0
STATE 33-15	COOPER, KEN	10/31/09	55	18	27	17.81	0
STATE 33-15	COOPER, KEN	11/1/09	50	18	28.1	1.582	0
STATE 33-15	COOPER, KEN	11/2/09	50	18	30.3	15.208	0
STATE 33-15	COOPER, KEN	11/3/09	50	18	27.7	16.614	0
STATE 33-15	COOPER, KEN	11/4/09	50	18	28.1	15.911	0
STATE 33-15	COOPER, KEN	11/5/09	50	18	27.8	16.438	0
STATE 33-15	COOPER, KEN	11/6/09	50	18	27.8	16.438	0
STATE 33-15	COOPER, KEN	11/7/09	50	18	27.8	16.438	0
STATE 33-15	COOPER, KEN	11/8/09	80	18	27.2	16.35	0
STATE 33-15	COOPER, KEN	11/9/09	80	18	27.2	16.35	0
STATE 33-15	COOPER, KEN	11/10/09	60	18	28.7	15.911	0
STATE 33-15	COOPER, KEN	11/11/09	60	18	28	15.383	0
STATE 33-15	COOPER, KEN	11/12/09	60	18	26.4	15.735	0
STATE 33-15	COOPER, KEN	11/13/09	60	18	28.1	15.383	0
STATE 33-15	COOPER, KEN	11/14/09	60	18	27.9	14.592	20
STATE 33-15	COOPER, KEN	11/15/09	60	18	27.9	14.592	24
STATE 33-15	COOPER, KEN	11/16/09	60	18	28	9.054	0
STATE 33-15	COOPER, KEN	11/17/09	60	18	26	9.582	20
STATE 33-15	COOPER, KEN	11/18/09	60	18	26	9.582	0
STATE 33-15	COOPER, KEN	11/19/09	60	18	26	9.582	0
STATE 33-15	COOPER, KEN	11/20/09	60	18	28.2	18.021	0
STATE 33-15	COOPER, KEN	11/21/09	60	18	28.1	16.35	0
STATE 33-15	COOPER, KEN	11/22/09	60	18	27.9	16.087	0
STATE 33-15	COOPER, KEN	11/23/09	60	18	28.3	16.087	0
STATE 33-15	COOPER, KEN	11/24/09	60	18	28.4	15.12	0
STATE 33-15	COOPER, KEN	11/25/09	60	18	27.8	15.12	0
STATE 33-15	COOPER, KEN	11/26/09	60	18	28.7	15.208	0
STATE 33-15	COOPER, KEN	11/27/09	60	18	28.7	15.208	0
STATE 33-15	COOPER, KEN	11/28/09	60	18	28.7	15.208	0
STATE 33-15	COOPER, KEN	11/29/09	60	18	28.7	15.208	0
STATE 33-15	COOPER, KEN	11/30/09	60	18	28.4	15.208	0
STATE 33-15	COOPER, KEN	12/1/09	60	18	27.7	14.542	0
STATE 33-15	COOPER, KEN	12/2/09	60	18	29.1	14.711	0

Daily Estimated Production

Start Date: Oct 16, 2009      State: COLORADO  
End Date: Apr 21, 2010      County: MOFFAT

STATE 33-15	COOPER, KEN	12/3/09	40	18	26	13.954	12
STATE 33-15	COOPER, KEN	12/4/09	40	18	26	14.29	0
STATE 33-15	COOPER, KEN	12/5/09	40	18	27.9	13.45	0
STATE 33-15	COOPER, KEN	12/6/09	40	18	14.4	14.626	12
STATE 33-15	COOPER, KEN	12/7/09	40	18	27.3	13.45	0
STATE 33-15	COOPER, KEN	12/8/09	40	18	27.3	13.45	0
STATE 33-15	COOPER, KEN	12/9/09	40	18	27.3	13.45	0
STATE 33-15	COOPER, KEN	12/10/09	40	18	27.3	13.45	0
STATE 33-15	COOPER, KEN	12/11/09	40	18	27.7	11.18	0
STATE 33-15	COOPER, KEN	12/12/09	40	18	27.5	11.18	0
STATE 33-15	COOPER, KEN	12/13/09	40	18	28.7	13.87	0
STATE 33-15	COOPER, KEN	12/14/09	40	18	28.5	14.206	0
STATE 33-15	COOPER, KEN	12/15/09	40	18	28.3	7.818	0
STATE 33-15	COOPER, KEN	12/16/09	40	18	27.4	7.818	0
STATE 33-15	COOPER, KEN	12/17/09	40	18	25.1	13.029	0
STATE 33-15	COOPER, KEN	12/18/09	40	18	25.1	13.029	0
STATE 33-15	COOPER, KEN	12/19/09	40	18	28.1	8.574	0
STATE 33-15	COOPER, KEN	12/20/09	40	18	28.1	8.574	0
STATE 33-15	COOPER, KEN	12/21/09	40	18	28.1	8.574	0
STATE 33-15	COOPER, KEN	12/22/09	40	18	24.5	7.397	0
STATE 33-15	COOPER, KEN	12/23/09	40	18	26.2	6.725	0
STATE 33-15	COOPER, KEN	12/24/09	40	18	26.2	6.725	0
STATE 33-15	COOPER, KEN	12/25/09	40	18	28	9.163	0
STATE 33-15	COOPER, KEN	12/26/09	40	18	27.9	9.163	0
STATE 33-15	COOPER, KEN	12/27/09	40	18	28.4	7.061	0
STATE 33-15	COOPER, KEN	12/28/09	40	18	28.4	7.734	0
STATE 33-15	COOPER, KEN	12/29/09	40	18	22	7.061	12
STATE 33-15	COOPER, KEN	12/30/09	40	18	22	7.061	12
STATE 33-15	COOPER, KEN	12/31/09	40	18	26.7	12.777	12
STATE 33-15	COOPER, KEN	1/1/10	40	18	26	9.015	12
STATE 33-15	COOPER, KEN	1/2/10	40	18	26.8	15.817	0
STATE 33-15	COOPER, KEN	1/3/10	40	18	25.4	15.572	0
STATE 33-15	COOPER, KEN	1/4/10	40	18	25.4	13.769	0
STATE 33-15	COOPER, KEN	1/5/10	40	18	25.4	13.769	0
STATE 33-15	COOPER, KEN	1/6/10	40	18	26.9	13.687	0
STATE 33-15	COOPER, KEN	1/7/10	40	18	26.2	13.277	0
STATE 33-15	COOPER, KEN	1/8/10	40	18	26.2	13.277	0
STATE 33-15	COOPER, KEN	1/9/10	40	18	26.5	8.114	0
STATE 33-15	COOPER, KEN	1/10/10	40	18	26.5	8.114	0
STATE 33-15	COOPER, KEN	1/11/10	40	18	24.2	9.179	0
STATE 33-15	COOPER, KEN	1/12/10	40	18	29.4	9.179	0
STATE 33-15	COOPER, KEN	1/13/10	40	18	30.3	15.817	0
STATE 33-15	COOPER, KEN	1/14/10	40	18	31	14.342	0
STATE 33-15	COOPER, KEN	1/15/10	40	18	31.1	13.441	0
STATE 33-15	COOPER, KEN	1/16/10	40	18	30.5	13.277	0
STATE 33-15	COOPER, KEN	1/17/10	40	18	28.5	13.359	0
STATE 33-15	COOPER, KEN	1/18/10	40	18	29.5	13.359	0
STATE 33-15	COOPER, KEN	1/19/10	40	18	30.6	13.359	0
STATE 33-15	COOPER, KEN	1/20/10	40	18	30.6	13.359	0

Daily Estimated Production

Start Date: Oct 16, 2009      State: COLORADO  
End Date: Apr 21, 2010      County: MOFFAT

STATE 33-15	COOPER, KEN	1/21/10	40	18	28.9	13.195	0
STATE 33-15	COOPER, KEN	1/22/10	40	18	28.1	13.195	0
STATE 33-15	COOPER, KEN	1/23/10	40	18	28.1	13.195	0
STATE 33-15	COOPER, KEN	1/24/10	40	18	30.5	12.211	0
STATE 33-15	COOPER, KEN	1/25/10	40	18	29.5	12.539	0
STATE 33-15	COOPER, KEN	1/26/10	40	18	31.3	12.867	0
STATE 33-15	COOPER, KEN	1/27/10	40	18	30.6	13.277	0
STATE 33-15	COOPER, KEN	1/28/10	40	18	30.2	13.277	0
STATE 33-15	COOPER, KEN	1/29/10	40	18	29.5	12.949	0
STATE 33-15	COOPER, KEN	1/30/10	40	18	26.4	13.523	0
STATE 33-15	COOPER, KEN	1/31/10	40	18	26.4	13.523	0
STATE 33-15	COOPER, KEN	2/1/10	40	18	26.4	13.375	0
STATE 33-15	COOPER, KEN	2/2/10	40	18	30.5	13.375	0
STATE 33-15	COOPER, KEN	2/3/10	40	18	30.3	12.97	0
STATE 33-15	COOPER, KEN	2/4/10	40	18	30.6	12.808	0
STATE 33-15	COOPER, KEN	2/5/10	40	18	30.7	13.051	0
STATE 33-15	COOPER, KEN	2/6/10	40	18	30.6	13.132	0
STATE 33-15	COOPER, KEN	2/7/10	40	18	30.6	13.132	0
STATE 33-15	COOPER, KEN	2/8/10	40	18	30.2	12.646	0
STATE 33-15	COOPER, KEN	2/9/10	40	18	30.2	12.646	0
STATE 33-15	COOPER, KEN	2/10/10	40	18	27.2	12.727	0
STATE 33-15	COOPER, KEN	2/11/10	60	30	29.2	12.24	0
STATE 33-15	COOPER, KEN	2/12/10	60	30	30.9	11.916	0
STATE 33-15	COOPER, KEN	2/13/10	60	30	30.7	12.727	0
STATE 33-15	COOPER, KEN	2/14/10	60	30	30.3	12.159	0
STATE 33-15	COOPER, KEN	2/15/10	60	30	30.5	12.484	0
STATE 33-15	COOPER, KEN	2/16/10	60	30	30.3	12.159	0
STATE 33-15	COOPER, KEN	2/17/10	60	30	30.5	12.97	0
STATE 33-15	COOPER, KEN	2/18/10	60	30	30.8	12.646	0
STATE 33-15	COOPER, KEN	2/19/10	60	30	30.3	12.727	0
STATE 33-15	COOPER, KEN	2/20/10	60	30	30.1	12.565	0
STATE 33-15	COOPER, KEN	2/21/10	60	30	30.6	12.484	0
STATE 33-15	COOPER, KEN	2/22/10	160	30	30.8	12.484	0
STATE 33-15	COOPER, KEN	2/23/10	60	30	24.6	12.727	0
STATE 33-15	COOPER, KEN	2/24/10	60	30	30.7	12.727	0
STATE 33-15	COOPER, KEN	2/25/10	60	30	30.9	11.916	0
STATE 33-15	COOPER, KEN	2/26/10	60	30	30.9	13.294	0
STATE 33-15	COOPER, KEN	2/27/10	60	30	31.8	12.484	0
STATE 33-15	COOPER, KEN	2/28/10	60	30	31.1	12.889	0
STATE 33-15	COOPER, KEN	3/1/10	60	30	31.4	16.3	0
STATE 33-15	COOPER, KEN	3/2/10	60	30	30.7	16.3	0
STATE 33-15	COOPER, KEN	3/3/10	60	30	30.8	15.4	0
STATE 33-15	COOPER, KEN	3/4/10	60	30	31.4	16.5	0
STATE 33-15	COOPER, KEN	3/5/10	60	30	30.9	16.3	0
STATE 33-15	COOPER, KEN	3/6/10	60	30	31.5	16	0
STATE 33-15	COOPER, KEN	3/7/10	60	30	31.4	16.5	0
STATE 33-15	COOPER, KEN	3/8/10	60	30	30.7	16.2	0
STATE 33-15	COOPER, KEN	3/9/10	60	30	30.7	16.3	0
STATE 33-15	COOPER, KEN	3/10/10	60	30	30.7	16.3	0



Daily Estimated Production

Start Date: Oct 16, 2009      State: COLORADO  
End Date: Apr 21, 2010      County: MOFFAT

STATE 33-15	COOPER, KEN	3/11/10	60	30	30.9	16	0
STATE 33-15	COOPER, KEN	3/12/10	60	30	31	16.1	0
STATE 33-15	COOPER, KEN	3/13/10	60	30	31	16.1	0
STATE 33-15	COOPER, KEN	3/14/10	60	30	30.8	16.1	0
STATE 33-15	COOPER, KEN	3/15/10	60	30	31.5	16.3	0
STATE 33-15	COOPER, KEN	3/16/10	60	30	31.5	16.3	0
STATE 33-15	COOPER, KEN	3/17/10	60	30	31.8	16.3	0
STATE 33-15	COOPER, KEN	3/18/10	60	30	31.8	16.3	0
STATE 33-15	COOPER, KEN	3/19/10	60	30	30.8	16.1	0
STATE 33-15	COOPER, KEN	3/20/10	60	30	30.8	16.1	0
STATE 33-15	COOPER, KEN	3/21/10	60	30	30.8	16.2	0
STATE 33-15	COOPER, KEN	3/22/10	60	30	30.8	16.2	0
STATE 33-15	COOPER, KEN	3/23/10	60	30	30.8	16.2	0
STATE 33-15	COOPER, KEN	3/24/10	60	30	30.9	16.4	0
STATE 33-15	COOPER, KEN	3/25/10	60	30	30.9	16.4	0
STATE 33-15	COOPER, KEN	3/26/10	60	30	31	16.1	0
STATE 33-15	COOPER, KEN	3/27/10	60	30	30.5	15.2	0
STATE 33-15	COOPER, KEN	3/28/10	60	30	30.5	15.2	0
STATE 33-15	COOPER, KEN	3/29/10	60	30	31.5	15.9	0
STATE 33-15	COOPER, KEN	3/30/10	60	30	31.5	15.9	0
STATE 33-15	COOPER, KEN	3/31/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/1/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/2/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/3/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/4/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/5/10	60	30	30.4	15.9	0
STATE 33-15	COOPER, KEN	4/6/10	60	30	31.1	15.4	0
STATE 33-15	COOPER, KEN	4/7/10	60	30	31.1	15.4	0
STATE 33-15	COOPER, KEN	4/8/10	60	30	27.2	15.7	0
STATE 33-15	COOPER, KEN	4/9/10	60	30	27.2	15.7	0
STATE 33-15	COOPER, KEN	4/10/10	60	30	31.2	15.8	0
STATE 33-15	COOPER, KEN	4/11/10	60	30	27.7	15.8	0
STATE 33-15	COOPER, KEN	4/12/10	60	30	31	15.7	0
STATE 33-15	COOPER, KEN	4/13/10	60	30	31	15.7	0
STATE 33-15	COOPER, KEN	4/14/10	60	30	31	15.7	0
STATE 33-15	COOPER, KEN	4/15/10	60	30	31.3	16	0
STATE 33-15	COOPER, KEN	4/16/10	60	30	31.3	16	0
STATE 33-15	COOPER, KEN	4/17/10	60	30	30.9	16.1	0
STATE 33-15	COOPER, KEN	4/18/10	60	30	30.9	16.1	0
STATE 33-15	COOPER, KEN	4/19/10					
STATE 33-15	COOPER, KEN	4/20/10					
STATE 33-15	COOPER, KEN	4/21/10					
Apr 21, 2010			1			12:28:50 PM	

Heidi Lehr

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Subject: FW: State 33-15 flare gas

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**From:** Mark Gotcher  
**Sent:** Tuesday, March 23, 2010 9:03 AM  
**To:** Steve Smith; Mike Conder  
**Cc:** Tom Hewett  
**Subject:** RE: State 33-15 flare gas

Steve,  
The pipeline and tap costs are still good.  
Mark

---

**From:** Steve Smith  
**Sent:** Tuesday, March 23, 2010 9:41 AM  
**To:** Mark Gotcher; Mike Conder  
**Cc:** Tom Hewett  
**Subject:** State 33-15 flare gas

Mark – can you confirm the costs to go to Questar in the attached email are still pretty good.

10 miles pipe - \$2.4 MM  
Tap - \$1.0 MM

Mike – do you have any problem using the same facility numbers we had on West Danforth (attached). Volumes are pretty close to what we were est on West Danforth

Facility - \$320,000

Compression, JT unit, dehy

Heidi Lehr

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**Subject:** FW: Craig Dome

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**From:** Mark Gotcher  
**Sent:** Wednesday, June 24, 2009 3:17 PM  
**To:** Steve Smith  
**Cc:** Mike Conder  
**Subject:** Craig Dome

Steve,

The pipeline that I identified as Northern Natural in the Craig Dome area is actually Greely Gas, another line that serves municipalities, so it is not an option. The nearest line that I've found that we could potentially deliver to is Questar Pipeline in sec. 29-8N-90W. About ten miles of 6" pipe for that connection would run approx. \$2.4 MM, plus the cost of a meter and tap, which would be a minimum of \$0.5 MM (more likely about \$1.0 MM). We would also likely have to process/treat and compress for delivery into QPC. We shouldn't have any problem making a case to flare or vent this gas.

The only other option would be Ponder Exploration's gathering line. I've asked Michael H. if he can find anything out about that line.

Mark

*Mark Gotcher  
Samson Resources Company  
Production Marketing  
(918)591-1235  
[mgotcher@samson.com](mailto:mgotcher@samson.com)*

West Danforth 5A-4-3-95 Gas Venting Economics  
Moffet County, Colorado  
Prepared by Michael W. Conder, P.E.      22 Sep 2009

	Gas Volume (mcf/day)	Gas Price (\$/mcf)	Pipeline Cost (\$/ft)	Facility Cost (\$)	Total Cost (\$)	Undiscounted Payout (yrs)
Option I	30	\$3.00	\$24.71	\$313,484	\$530,904	21.3
Option II	30	\$3.00	\$24.71	\$326,968	\$761,808	30.5

Pipeline Cost Breakdown

	Option I	Option II
I. Pipeline	CIG	Rocky Mt Natural Gas
II. Distance	~2 miles	~4 miles
III. Type	Interstate	Intrastate
IV. Description	high pressure	Lower psi (300 psi)
V. Quality	low BTU - requires processing	Does not have treating facility, so may require processing
VI. Cost	\$530,904	\$761,808
VII. Cost Breakdown		
a. Cost to lay flowline	\$217,420	\$434,840
b. *Facility	\$313,484	\$326,968
c. *Facility description	Compression, dehydrator, JT	Compression, dehydrator, JT unit