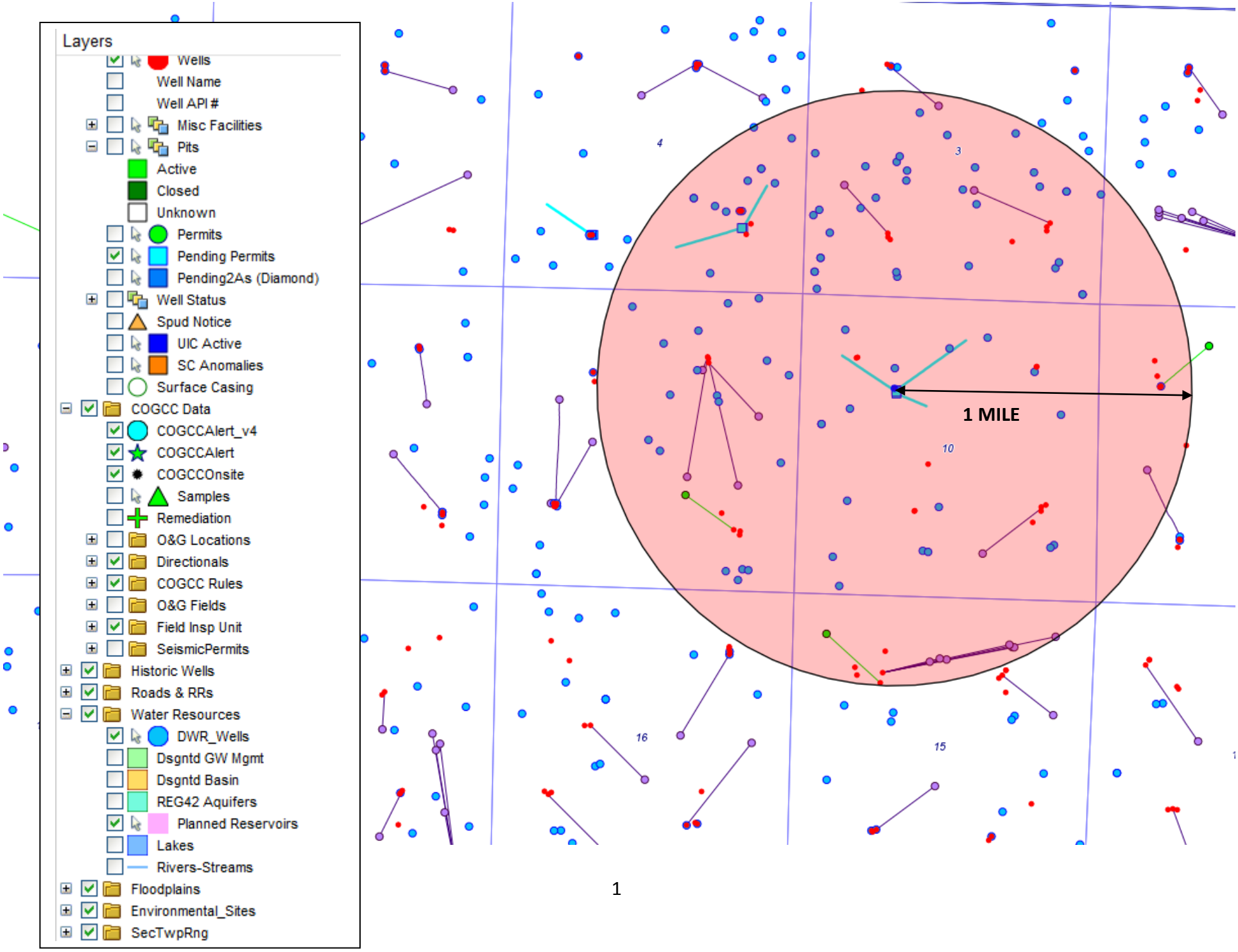
Layers
Wells
Well Name
Well API #
Misc Facilities
Pits
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Closed
Unknown
Permits
Pending Permits
Pending2As (Diamond)
Well Status
Spud Notice
UIC Active
SC Anomalies
Surface Casing
COGCC Data
COGCCAlert_v4
COGCCAlert
COGCCOnsite
Samples
Remediation
O&G Locations
Directionals
COGCC Rules
O&G Fields
Field Insp Unit
SeismicPermits
Historic Wells
Roads & RRs
Water Resources
DWR_Wells
Dsgntd GW Mgmt
Dsgntd Basin
REG42 Aquifers
Planned Reservoirs
Lakes
Rivers-Streams
Floodplains
Environmental_Sites
SecTwpRng
1 MILE
4
3
10
16
15

Selected Items Report

Water Wells Selected From Map

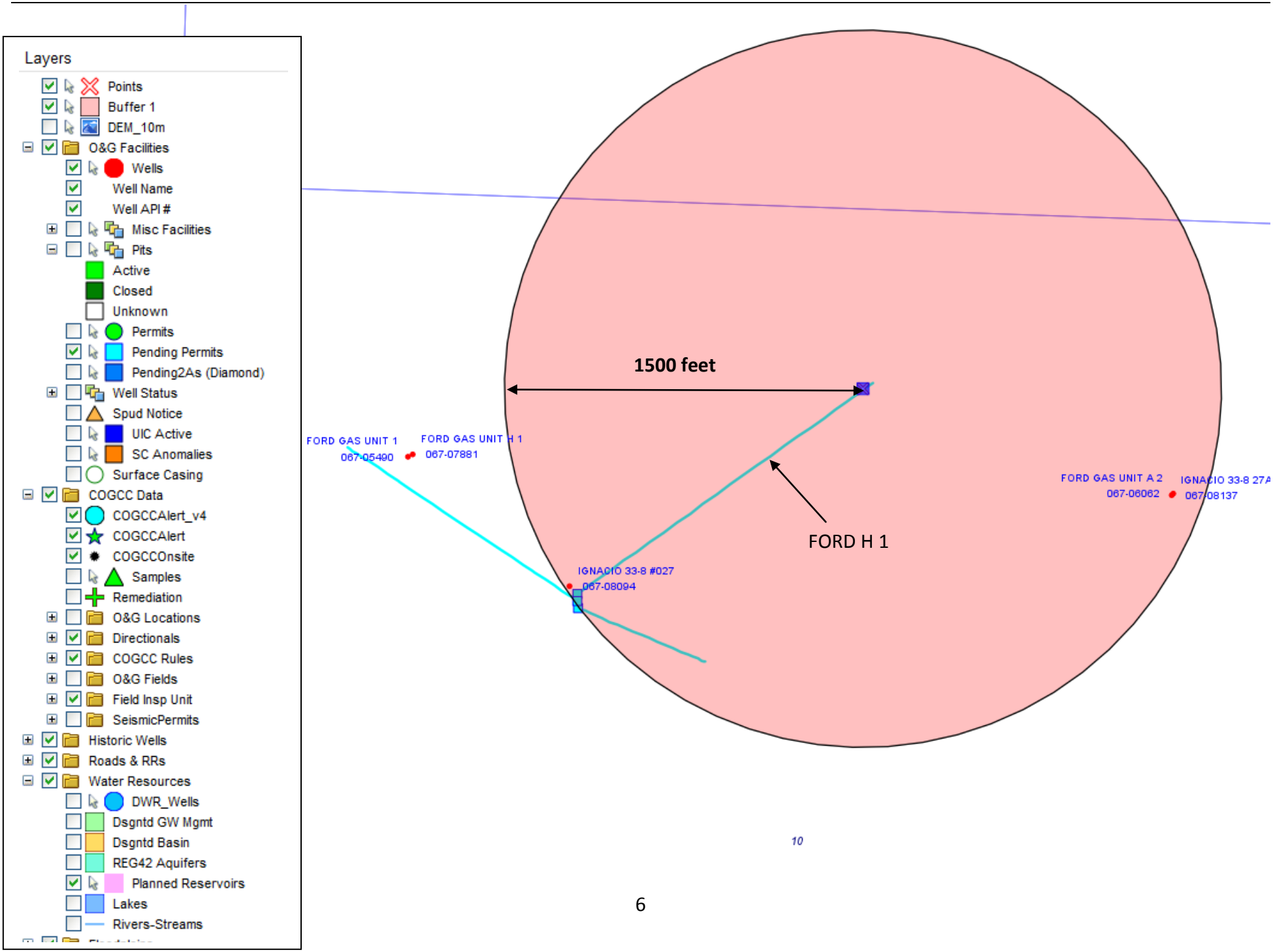
Filter Results by Depth: Greater than | Filter

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=9124265, Permit=0134980-- BRANCH STANELY E.	SWNE 3 33 N-8W	170	0	0	GW
Receipt=9124030, Permit=0114498-- BAIRD C M	SENW 3 33 N-8W	14	10	15	GW
Receipt=9703341, Permit=0289865-- DOLORES DEVELOPMENT CO LLC	SENW 3 33 N-8W	230	40	220	GW
Receipt=9703358, Permit=0290326-- HILL KEVIN	NESE 3 33 N-8W	0	0	0	GW
Receipt=9702925, Permit=0280489-- HILL KEVIN	NESE 3 33 N-8W	0	0	0	GW
Receipt=9123032, Permit=0070295-- MARTINEZ DEMIS P & CELIA J	NESE 3 33 N-8W	177	50	170	GW
Receipt=9701247A, Permit=0248923-- DODD DAVIE W	NESE 3 33 N-8W	0	0	0	GW
Receipt=1504743, Permit=0069469-F- SAMSON RESOURCES COMPANY	NESE 3 33 N-8W	0	0	0	GW
Receipt=0234086, Permit=0129434-- **DODD H A**	**NESE 3 33 N-8W**	**250**	**40**	**250**	**GW 6300'**
Receipt=0107379, Permit=0107856-- JOHNSON FRED	NWSE 3 33 N-8W	230	60	120	GW
Receipt=0372228, Permit=0180600-- MCCULLAR STACEY	NWSE 3 33 N-8W	160	40	160	GW
Receipt=9701247, Permit=0248922-- PAYNE EVELYN	NWSE 3 33 N-8W	160	40	140	GW
Receipt=1504741, Permit=0069467-F- SAMSON RESOURCES COMPANY	SESE 3 33 N-8W	0	0	0	GW
Receipt=0385318, Permit=0186329-- DODD HARRY	SESE 3 33 N-8W	0	0	0	GW
Receipt=9701754, Permit=0258628-- WILEY LARRY L AND EVETTE	SESE 3 33 N-8W	200	0	0	GW
Receipt=0277937, Permit=0148648-- STAVROWSKY JEANNE	SWSE 3 33 N-8W	135	40	135	GW
Receipt=0245522A, Permit=0142914-- MARTINEZ JOE I	NESW 3 33 N-8W	90	0	0	GW
Receipt=0245522B, Permit=0142914--A MARTINEZ JOE I	NESW 3 33 N-8W	125	60	125	GW

Receipt=0250074A, Permit=0138078-- BROADHEAD MARY	NESW 3 33 N-8W	20	0	0	GW
Receipt=0250074B, Permit=0138078--A PAPPAS ALEX L	NESW 3 33 N-8W	127	40	117	GW
Receipt=0386365A, Permit=0187039-- GRAY CAROLINE J	NWSW 3 33 N-8W	204	40	204	GW
Receipt=0386365B, Permit=0187040-- ROWTON LOREN	NWSW 3 33 N-8W	0	0	0	GW
Receipt=0340114, Permit=0164986-- WAGNER MILTON & JUDY	NWSW 3 33 N-8W	0	0	0	GW
Receipt=9701257, Permit=0249465-- JOHNSTON GAIL	NWSW 3 33 N-8W	0	0	0	GW
Receipt=9123238, Permit=0077257-- BURCH HARVEY H. & MARGARET ANN	NWSW 3 33 N-8W	25	0	0	GW
Receipt=9702411, Permit=0272429-- JOHNSTON GAIL	NWSW 3 33 N-8W	240	100	220	GW
Receipt=1504742, Permit=0069468-F- SAMSON RESOURCES COMPANY	SESW 3 33 N-8W	0	0	0	GW
Receipt=1504744, Permit=0069470-F- SAMSON RESOURCES COMPANY	SESW 3 33 N-8W	0	0	0	GW
Receipt=9700479, Permit=0233446-- GERVAIS EDWARD A III & ERIN K	SWSW 3 33 N-8W	180	80	180	GW
Receipt=0353061, Permit=0170215-- BENTLEY DUANE & DIANE	SWSW 3 33 N-8W	0	0	0	GW
Receipt=0318911, Permit=0158695-- BARNETT ROBERT	SWSW 3 33 N-8W	200	65	200	GW
Receipt=0243454, Permit=0134628-- TRACY ROBERT J & RUTH E	SWSW 3 33 N-8W	250	0	0	GW
Receipt=0268002, Permit=0145278-- BARNETT ROBERT	SWSW 3 33 N-8W	0	0	0	GW
Receipt=0260735, Permit=0142228-- SUNDQUIST R E	SWSW 3 33 N-8W	180	80	180	GW
Receipt=0233443, Permit=0129222-- SHIMP E. J.	SENE 4 33 N-8W	135	25	135	GW
Receipt=0287776, Permit=0151236-- EMBREE HAROLD	SENE 4 33 N-8W	198	40	198	GW
Receipt=0397527, Permit=0192901-- HONOLD BRIAN & TAMARA	NESE 4 33 N-8W	0	0	0	GW
Receipt=0397528, Permit=0192902-- HONOLD BRIAN & TAMARA	NESE 4 33 N-8W	15	0	0	GW
Receipt=0109703, Permit=0109803-- L00MAN THOMAS	NESE 4 33 N-8W	0	0	0	GW
Receipt=0093004, Permit=0099508-- MANFREDI DAVID J	NESE 4 33 N-8W	35	0	0	GW

Receipt=1505194, Permit=0075273-F- BP AMERICA PRODUCTION COMPANY	NESE 4 33 N-8W	0	0	0	GW
Receipt=1505196, Permit=0075275-F- BP AMERICA PRODUCTION COMPANY	NESE 4 33 N-8W	0	0	0	GW
Receipt=9701735, Permit=0096600--A KLUMPH JOHN & MELISSA	NWSE 4 33 N-8W	240	60	220	GW
Receipt=0089758, Permit=0096600-- WIESER ROSS	NWSE 4 33 N-8W	184	0	184	GW
Receipt=0110226, Permit=0110014-- DENNIS L MOULD	NWSE 4 33 N-8W	0	0	0	GW
Receipt=9702425, Permit=0272634-- KLUMPH JOHN F	NWSE 4 33 N-8W	184	0	184	GW
Receipt=0290900, Permit=0152158-- WISNER BARRY	SWSE 4 33 N-8W	0	0	0	GW
Receipt=C340054, Permit=0000054-WCB- HERMAN CLAUDE	9 33 N-8W	160	0	0	GW
Receipt=0204367, Permit=0114415-- SMITH B	NENE 9 33 N-8W	260	50	260	GW
Receipt=0238408, Permit=0112875--A ARCHER R	NENE 9 33 N-8W	200	100	200	GW
Receipt=0359799, Permit=0173806-- NICHOLS ADAMS BETTIE	NENE 9 33 N-8W	120	30	120	GW
Receipt=0416988, Permit=0202727-- OBRIEN PATRICK/TRISH HAHNSWALD	NWNE 9 33 N-8W	195	20	195	GW
Receipt=1504755, Permit=0069481-F- SAMSON RESOURCES COMPANY	NWNE 9 33 N-8W	0	0	0	GW
Receipt=1504756, Permit=0069482-F- SAMSON RESOURCES COMPANY	NWNE 9 33 N-8W	0	0	0	GW
Receipt=0234937, Permit=0130025-- MOELLER FREDERICK A.	NWNE 9 33 N-8W	0	0	0	GW
Receipt=0266967, Permit=0144851-- MOELLER FREDERICK A.	NWNE 9 33 N-8W	0	0	0	GW
Receipt=9700095, Permit=0226211-- ARCHER RON	SENE 9 33 N-8W	0	0	0	GW
Receipt=0263321, Permit=0143525-- LOVECCHIO LAWRENCE	SWNE 9 33 N-8W	116	20	110	GW
Receipt=9701055, Permit=0244475-- MCCAW JERRY L	NENW 9 33 N-8W	260	80	140	GW
Receipt=0100615, Permit=0103800-- YOST CHARLES & MARLENE	NESE 9 33 N-8W	0	0	0	GW
Receipt=0277931, Permit=0148902-- POLE ED	NWSE 9 33 N-8W	163	40	163	GW
Receipt=0358213, Permit=0173240-- MCKNIGHT RAY & JILL	SESE 9 33 N-8W	0	0	0	GW

Receipt=9701096, Permit=0248505-- GOODMAN ROBERT	SESE 9 33 N-8W	0	0	0	GW
Receipt=1504757, Permit=0069483-F- SAMSON RESOURCES COMPANY	SESE 9 33 N-8W	0	0	0	GW
Receipt=1504758, Permit=0069484-F- SAMSON RESOURCES COMPANY	SESE 9 33 N-8W	0	0	0	GW
Receipt=1505179, Permit=0075267-F- BP AMERICA PRODUCTION COMPANY	NENE 10 33 N-8W	0	0	0	GW
Receipt=0902894, Permit=0034680-- REOL DEVELOPMENT CORPORATION	NWNE 10 33 N-8W	0	0	0	GW
Receipt=9122644, Permit=0046826-- WORFORD MARIAN	SENE 10 33 N-8W	18	0	0	GW
Receipt=1505178, Permit=0075266-F- BP AMERICA PRODUCTION COMPANY	NENW 10 33 N-8W	0	0	0	GW
Receipt=9701898, Permit=0262897-- SCHUETZ RUSS AND KATHY	NENW 10 33 N-8W	300	60	280	GW
Receipt=0369431, Permit=0179103-- DAVIS RONALD V & DEBORAH S	NWNW 10 33 N-8W	160	60	160	GW
Receipt=0399891, Permit=0193943-- ABOOD PHILIP & DENA	SWNW 10 33 N-8W	0	0	0	GW
Receipt=0312886, Permit=0157096-- SMITH LAWRENCE C	SWNW 10 33 N-8W	0	0	0	CON
Receipt=0240899, Permit=0133745-- SMITH L C	SWNW 10 33 N-8W	0	0	0	GW
Receipt=1504909, Permit=0069636-F- SAMSON RESOURCES COMPANY	NESE 10 33 N-8W	0	0	0	GW
Receipt=1504907, Permit=0069634-F- SAMSON RESOURCES COMPANY	NESE 10 33 N-8W	0	0	0	GW
Receipt=1504908, Permit=0069635-F- SAMSON RESOURCES COMPANY	NESW 10 33 N-8W	0	0	0	GW
Receipt=1504906, Permit=0069633-F- SAMSON RESOURCES COMPANY	NESW 10 33 N-8W	0	0	0	GW
Receipt=9700511, Permit=0234461-- CHERRY ROBERT AND DIXIE	NESW 10 33 N-8W	220	60	220	GW
Receipt=9701682, Permit=0257039-- COSLETT J D	NWSW 10 33 N-8W	320	160	320	GW
Receipt=0416993, Permit=0202719-- DONOHUE DALE E	SWSW 10 33 N-8W	140	60	140	GW
Receipt=0023093, Permit=0023093-MH- FECHTER LYNN	SWSW 10 33 N-8W	0	0	0	GW
Receipt=1500205, Permit=0069371-F- ELM RIDGE EXPLORATION CO., LLC	SWNW 11 33 N-8W	0	0	0	GW


Layers
Points
Buffer 1
DEM_10m
O&G Facilities
Wells
Well Name
Well API #
Misc Facilities
Pits
Active
Closed
Unknown
Permits
Pending Permits
Pending2As (Diamond)
Well Status
Spud Notice
UIC Active
SC Anomalies
Surface Casing
COGCC Data
COGCCAlert_v4
COGCCAlert
COGCCOnsite
Samples
Remediation
O&G Locations
Directionals
COGCC Rules
O&G Fields
Field Insp Unit
SeismicPermits
Historic Wells
Roads & RRs
Water Resources
DWR_Wells
Dsgntd GW Mgmt
Dsgntd Basin
REG42 Aquifers
Planned Reservoirs
Lakes
Rivers-Streams
1500 feet
FORD GAS UNIT 1
067-05490
FORD GAS UNIT H 1
067-07881
FORD H 1
IGNACIO 33-8 #027
067-08094
FORD GAS UNIT A 2
067-06062
IGNACIO 33-8 27A
067-08137
10

Selected Items Report

Oil and Gas Wells Selected

Filter Results by Formation: Include | DKTA, MNCS, MVRD | Filter

WELL DESCRIPTION	LOCATION ID	LOCATION	WELL INFORMATION
05-067-06062, FORD GAS UNIT A 2 AMOCO PRODUCTION CO.	326457	NENE 10 33N -8W (N)	Sidetrack TD Formation Status 3043 DA
05-067-08094, IGNACIO 33-8 #027 **WPX ENERGY PRODUCTION LLC**	**326435**	**SENW 10** **33N -8W (N)**	**Sidetrack TD Formation Status** **00 7941 DKTA PR** **00 7941 MNCS PR** **00 7941 MVRD PR**
05-067-08137, IGNACIO 33-8 27A **WPX ENERGY PRODUCTION LLC**	**326457**	**NENE 10** **33N -8W (N)**	**Sidetrack TD Formation Status** **00 8015 DKTA PR** **00 8015 MVRD PR**

Surface Location Data for API # 05-067-08094 Status: PR 1/10/2012

Well Name/No:	IGNACIO 33-8 ##027	(click well name for production)	
Operator:	WPX ENERGY PRODUCTION LLC - 96705		
Status Date:	1/10/2012	Federal or State Lease #:	5892
County:	LA PLATA #067	Location:	SENW 10 33N 8W N PM
Field:	IGNACIO BLANCO - #38300	Elevation:	6,526 ft.
Planned Location	1650 FNL 1700 FWL	Lat/Long: 37.12136/-107.70805	Lat/Long Source: Field Measured
As Drilled Location	Footages Not Available	Lat/Long: 37.12136/-107.70805	Lat/Long Source: Field Measured

FracFocus Chemical Disclosure Registry

Job Date: 10/3/2011
Job End Date: 10/3/2011
Reported: Prior to rule 205A.b.(2)(A)

Job Date: 10/25/2011
Job End Date: 10/25/2011
Reported: Prior to rule 205A.b.(2)(A)

Wellbore Data for Sidetrack #00 Status: PR 1/10/2012

Spud Date:	7/8/1997	Spud Date is:	ACTUAL

Wellbore Permit

Permit #:		Expiration Date:	8/24/2013 10:22:14 PM
Prop Depth/Form:	7941	Surface Mineral Owner Same:	N
Mineral Owner:	FEE	Surface Owner:	FEE
Unit:		Unit Number:	

Formation and Spacing: Code: DKTA , Formation: DAKOTA , Order: 112-46 , Unit Acreage: 640, Drill Unit: ALL
Formation and Spacing: Code: MNCS , Formation: MANCOS , Order: , Unit Acreage: , Drill Unit:
Formation and Spacing: Code: MVRD , Formation: MESAVERDE , Order: 112-46 , Unit Acreage: 320, Drill Unit: N2
Casing: String Type: SURF , Hole Size: 14.75, Size: 10.75, Top: 0, Depth: 329, Weight: 40.5
Cement: Sacks: 285, Top: 0, Bottom: 329, Method Grade:
Casing: String Type: 1ST , Hole Size: 9.875, Size: 7.625, Top: 0, Depth: 3400, Weight: 26.4
Cement: Sacks: 750, Top: 0, Bottom: 2970, Method Grade:
Casing: String Type: 2ND , Hole Size: 6.75, Size: 5.5, Top: 0, Depth: 7794, Weight: 17
Cement: Sacks: 460, Top: 4330, Bottom: 7794, Method Grade:
Casing: String Type: 1ST LINER , Hole Size: 4.75, Size: 3.5, Top: 0, Depth: 7941, Weight: 9.2
Cement: Sacks: , Top: , Bottom: , Method Grade:

Wellbore Completed

Completion Date:	9/22/1997		
Measured TD:	7941	Measured PB depth:	7936
True Vertical TD:		True Vertical PB depth:	

Log Types: IEL/GR,CDL,CNL/TEMP
Casing: String Type: SURF , Hole Size: 14.75, Size: 10.75, Top: 0, Depth: 329, Weight: 40.5
Cement: Sacks: 285, Top: 0, Bottom: 329, Method Grade:
Casing: String Type: 1ST , Hole Size: 9.875, Size: 7.625, Top: 0, Depth: 3400, Weight: 26.4
Cement: Sacks: 750, Top: 0, Bottom: 3400, Method Grade: CALC
Casing: String Type: 2ND , Hole Size: 6.75, Size: 5.5, Top: 0, Depth: 7794, Weight: 17
Cement: Sacks: 460, Top: 4330, Bottom: 7794, Method Grade: CBL
Casing: String Type: 1ST LINER , Hole Size: 4.75, Size: 3.5, Top: 7686, Depth: 7941, Weight: 9.2
Cement: Sacks: 75, Top: 7686, Bottom: 7941, Method Grade:

Formation	Log Top	Log Bottom	Cored
MESAVERDE	5261		
SANASTEE	7418		

02521102

BLM BRADENHEAD TEST REPORT FORM

Lease #: ☐I22IND ☐MOO-C ☐14-20-151- ☐COC- ☐Other ID# CA#: FEE **Well Name** IGNACIO 33-8 **#** 027 COMG **API#** ☐ #03-045 ☐ #05-067- ☐#05-083- 08094

Operator WILLIAMS PRODUCTION **Date:** 6/1/10 Fm (PC) FM ( ) FM ( )

96705

QQ: F **Sec** 10 **Twp** 33N (N) **Range** 8W (W) **Minerals:** (circle) Federal-State-Fee

Well Status: **On-Line** (Flowing/Pumping/Plunger lift/Clock/Intermitter, **Shut-in** (GSI/TA), **P&A** **Type:** (Gas) *SWD* **Injection** *POW*

Number of Casings *if known: (circle)* *Two* *Two with liner* (Three) *Three with liner*

STEP 1: CLOSE all BLM approved-to-vent surface & intermediate **VALVES** 10-14 days prior to test. Valves on BLM wells shall normally be closed unless specific BLM authorization has been approved to vent casing to atmosphere as a remediation procedure.

STEP 2: CERTIFY that all buried valves are in **OPEN** position:
If Buried Bradenhead vlv, **Confirmed Open?** (Y) N
If Buried Intermediate vlv, **Confirmed Open?** (Y) N
Expose piping for all BLM witnessed tests and if necessary to determine that a buried valve is "open".

STEP 3: USING **calibrated** mechanical/digital Gauge (accurate to 2#), **MEASURE Initial** Tubing & Casing Pressures & **Record** in chart. Note too small to measure as **TSTM.**

STEP 4: If initial Surface casing **Is >25#** (>5# within *sensitive* areas), **SAMPLE** gas using 10 individual cylinder purges & record cylinder #_____.

STEP 5: Open & flow Bhd vlv. while monitoring flow. **Record** other casing pressures within 1st 5 min, then @ 5, 10, 15, 20, 25, 30min. Record Surface Csg. flow characteristic. (See "required time to monitor")
IF < 5 min. to blow down show in "elapsed time" column of Chart; ***Note the time to "whisper" & time to "no flow"*** if different.

BRADENHEAD TEST RECORDING

Elapsed time	Tubing Fm	Tubing Fm	Prod. Casing	Intermed. Casing	Surface Casing
Initial Pressure	#50	#	#50	#570	# 1 Pressure
5:00 Min:Sec	#50	#	#50	#570	Flow Char. D
05:00	50		50	570	Flow Char. NF
10:00					Flow Char.
15:00					Flow Char.
20:00					Flow Char.
25:00					Flow Char.
30:00					Flow Char.
				Instantaneous Ending Pressure	0

BHD to "w" in ___min __sec & to "NF" in __min 0 sec. INT to "w" in 5 min __sec & to "NF" in 6 min __sec

STEP 6: Next: Leave Bradenhead open & repeat procedure with **Intermediate casing.** Record pressure/flow in **Interm.Test Chart**

Record flow characteristic by letter: **NF**=no flow; **D**=gas diminished to no flow; **G**=continuous gas, **W**= whisper, **V**=vapor; **S**=surge; **VAC**=vacuum **H**=water; **M**=mud.

Water/mud character:(circle) clear, fresh, salty, sulfur, black (Bhd. sample required to be submitted with analysis to BLM)

INTERMEDIATE TEST RECORDING

Elapsed Time	Tubing Fm	Tubing Fm	Prod. Casing	Intermed. Casing
Initial Pressure	#50	#	#50	# 570 Pressure
5:00 Min:Sec	#53	#	#53	Flow Char. D
05:00	53		53	Flow Char NF
10:00	55		55	Flow Char NF
15:00	55		55	Flow Char NF
20:00	55		55	Flow Char NF
25:00	54		54	Flow Char NF
30:00				Flow Char
				Ending Pressure 0

STEP 7: CLOSE ALL VALVES unless approved to vent.

REMARKS:
Note size of valve: BHD: 1 " needle valve, ½" ¾" (1" 2"
INTERMEDIATE: 1 needle valve, ½" ¾" (1" 2"
Clarifying remarks: Closed Valves after Test

Tested by: (print name) Chris Lawson (signature)

Phone 505 334 8670 DATE 6/1/10

Witnessed by _____ BLM/COGCC

RECEIVED

01795545

BLM BRADENHEAD TEST REPORT FORM

Lease #: ☐22IND FEE ☐MOO-C ☐14-20-151- ☐COC- ☐Other ID# CA#:_____ **Well Name** IGNACIO 33-8 **#** 027 COMG **API#** ☐#03-045 ☐#05-067- ☐#05-083- 08094 **Operator** WILLIAMS PRODUCTION 96705 **Date:** 5-13-09 Fm ( ) FM ( ) FM ( )

QQ: F **Sec** 10 **Twp** 33N (N) **Range** 8W (W) **Minerals:** (circle) Federal-State-Fee

Well Status: On-Line (Flowing/Pumping/Plunger lift/Clock/Intermitter, Shut-In (GSI/TA), P&A **Type:** (Gas) SWD Injection POW

Number of Casings *if known: (circle)* Two Two with liner (Three) Three with liner

STEP 1: CLOSE all BLM approved-to-vent surface & intermediate **VALVES** 10-14 days prior to test. Valves on BLM wells shall normally be closed unless specific BLM authorization has been approved to vent casing to atmosphere as a remediation procedure.

STEP 2: CERTIFY that **all** buried valves are in **OPEN** position:
If Buried Bradenhead viv, **Confirmed Open?** Y/N
If Buried Intermediate viv, **Confirmed Open?** Y/N
Expose piping for all BLM witnessed tests and if necessary to determine that a buried valve is "open".

STEP 3: USING **calibrated** mechanical/digital Gauge (accurate to 2#), **MEASURE initial** Tubing & Casing Pressures & **Record** in chart. Note too small to measure as TSTM.

STEP 4: If Initial Surface casing **is >25# (>5# within *sensitive* areas), SAMPLE** gas using 10 individual cylinder purges & record cylinder #_____.

STEP 5: Open & flow Bhd viv. while monitoring flow. **Record** other casing pressures within 1st 5 min, then @ 5, 10, 15, 20, 25, 30min. Record Surface Csg. flow characteristic. (See "required time to monitor") **IF < 5 min. to blow down** show in "elapsed time" column of Chart; ***Note the time to "whisper" & time to "no flow"*** if different.

BRADENHEAD TEST RECORDING

Elapsed time	Tubing Fm___	Tubing Fm___	Prod. Casing	Intermed. Casing	Surface Casing
Initial Pressure	#42	#	#41	#500	# 0 Pressure
:01 Min:Sec	#42	#	#41	#500	Flow Char. NF
05:00	42		41	500	Flow Char. NF
10:00					Flow Char.
15:00					Flow Char.
20:00					Flow Char.
25:00					Flow Char.
30:00					Flow Char.
				Instantaneous Ending Pressure	0

***BHD** to "w" in ___min __sec & to "NF" in __min__sec. **INT** to "w" in ___ min __sec & to "NF" in 15min __sec*

STEP 6: Next: Leave Bradenhead open & repeat procedure with **Intermediate casing**. Record pressure/flow in **Interm.Test Chart**

Record flow characteristic by letter: **NF**=no flow; **D**=gas diminished to no flow; **G**=continuous gas, **W**= whisper, **V**=vapor; **S**=surge; **VAC**=vacuum **H**=water; **M**=mud.

Water/mud character:(circle) clear, fresh, salty, sulfur, black (Bhd. sample required to be submitted with analysis to BLM)

STEP 7: CLOSE ALL VALVES unless approved to vent.

INTERMEDIATE TEST RECORDING

Elapsed Time	Tubing Fm___	Tubing Fm___	Prod. Casing	Intermed. Casing
Initial Pressure	# 42	#	# 41	# 500 Pressure
15: Min:Sec	# 40	#	# 40	Flow Char. D
05:00	40		40	Flow Char NF
10:00	41		40	Flow Char NF
15:00	42		41	Flow Char NF
20:00	42		42	Flow Char NF
25:00				Flow Char
30:00				Flow Char
			Ending Pressure	0

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REMARKS:
Note size of valve: BHD: __/__" needle valve, ½" ¾" (1", 2"
INTERMEDIATE: _/_needle valve, ½" ¾" (1") 2"
Clarifying remarks: Left Valves Closed

Tested by:
(print name) Mitchell Smith (signature) Mitchell Smith
Phone 505 947 4972 DATE 5-13-09

Witnessed by _____ BLM/COGCC

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JUN 10 2009

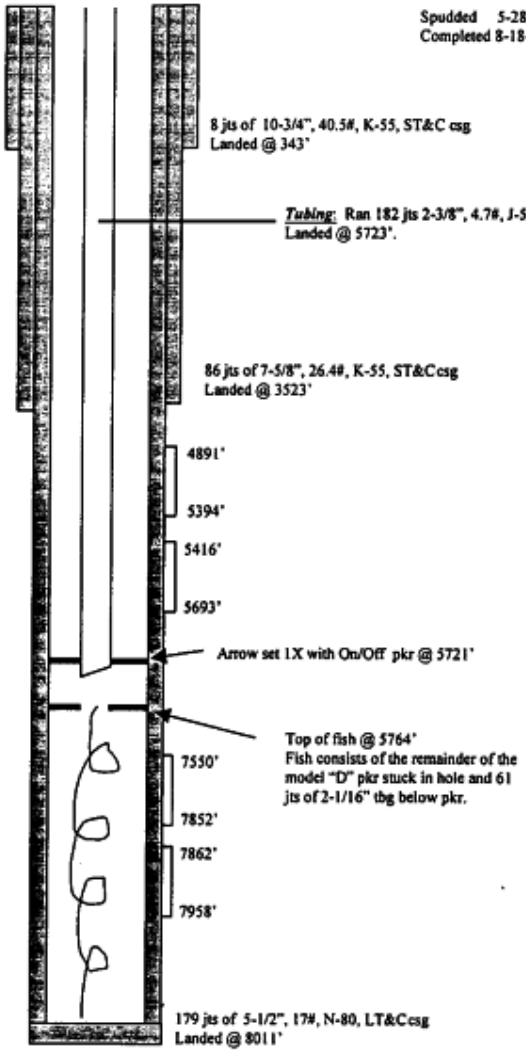
IGNACIO 33-8 #27A
IGNACIO BLANCO MV/DK

Location: 1175' FNL, 1130' FEL
NE/4 NE/4 Section 10A, T33N, R8W
La Plata Co., CO

Elevation: 6665' GR
KB = 12'

Spudded 5-28-1998
Completed 8-18-1998

Tops	*Depth*
Cliff House	5067'
Menefee	5218'
Point Lookout	5414'
Mancos	5696'
Greenhorn	7336'
Upper Dakota	7692'
Lower Dakota	7816'



TD @ 8015'

STIMULATION

CliffHouse/Menefee 4891' - 5394' (27 0.36" holes)
80,000# of 20/40 sand in 2021BBl's slick water

Point Lookout 5416' - 5693' (30 0.36" holes)
80,000# of 20/40 sand in 1900 BBl's slick water

Upper Dakota 7550' - 7852' (33 0.36" holes)
57,000# of 20/40 Ottawa sand and 12,000# 20/40 SDC in a 60 quality nitrogen foam

Dakota/Morrison 7862' - 7958' (21 0.36" holes)
54,740# of 20/40 and 10,000# SDC in 60 quality nitrogen foam

HOLE SIZE	CASING	CEMENT	CMT TOP
12-1/4"	10-3/4"	326 sx	SURFACE
9-7/8"	7-5/8"	800 sx	SURFACE
4-3/4"	5-1/2"	420 sx	4165'

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02521103

BLM BRADENHEAD TEST REPORT FORM

Lease #: ☐I22IND FEE **Well Name** IGNACIO 33-8 **#** 027A DK-MV **API#** ☐ #03-045 ☐ #05-067- ☐#05-083- 06137
☐MOO-C
☐14-20-151-
☐COC-
☐Other ID#
CA#:
96705
Operator WILLIAMS PRODUCTION **Date:** 6/16/10 Fm (MV) FM (DK) FM ( )
QQ: A **Sec** 10 **Twp** 33N (N) **Range** 8W (W) **Minerals:** (circle) Federal-State-Fee

Well Status: On-Line (Flowing/Pumping/Plunger lift/Cycle/Intermitter) **Shut-in** (GSI/TA), **P&A** **Type:** Gas **SWD** **Injection** **POW**
Number of Casings *if known: (circle)* Two *Two with liner* Three *Three with liner*

STEP 1: CLOSE all BLM approved-to-vent surface & intermediate **VALVES** 10-14 days prior to test. Valves on BLM wells shall normally be closed unless specific BLM authorization has been approved to vent casing to atmosphere as a remediation procedure.

STEP 2: CERTIFY that **all** buried valves are in **OPEN** position:
If Buried Bradenhead vlv, **Confirmed Open?** Y/N
If Buried Intermediate vlv, **Confirmed Open?** Y/N
Expose piping for all BLM witnessed tests and if necessary to determine that a buried valve is "open".

STEP 3: USING **calibrated** mechanical/digital Gauge (accurate to 2#), **MEASURE Initial** Tubing & Casing Pressures & **Record** in chart. Note too small to measure as **TSTM.**

STEP 4: If initial Surface casing is **>25#** (>5# within *sensitive* areas), **SAMPLE** gas using 10 individual cylinder purges & record cylinder #_____.

STEP 5: Open & flow Bhd vlv. while monitoring flow. **Record** other casing pressures within 1st 5 min, then @ 5, 10, 15, 20, 25, 30min. Record Surface Csg. flow characteristic. (See "required time to monitor")
IF < 5 min. to blow down show in "elapsed time" column of Chart; ***Note the time to "whisper" & time to "no flow"*** if different.

BRADENHEAD TEST RECORDING

Elapsed time	Tubing Fm MV	Tubing Fm DK	Prod. Casing	Intermed. Casing	Surface Casing
Initial Pressure	#109	#134	#116	#52	#4 Pressure
02 Min:Sec	#109	#134	#116	#52	Flow Char D
05:00	109	134	116	52	Flow Char NF
10:00					Flow Char.
15:00					Flow Char.
20:00					Flow Char.
25:00					Flow Char.
30:00					Flow Char.
				Instantaneous Ending Pressure	0

***BHD** to "w" in ___min __sec & to "NF" in __min 02sec. **INT** to "w" in ___ min __sec & to "NF" in __min 25sec*

STEP 6: Next: Leave Bradenhead open & repeat procedure with **Intermediate casing.** Record pressure/flow in **Interm.Test Chart**

Record flow characteristic by letter: **NF**=no flow; **D**=gas diminished to no flow; **G**=continuous gas, **W**= whisper, **V**=vapor; **S**=surge; **VAC**=vacuum **H**=water; **M**=mud.

Water/mud character: (circle) clear, fresh, salty, sulfur, black (Bhd. sample required to be submitted with analysis to BLM)

INTERMEDIATE TEST RECORDING

Elapsed Time	Tubing Fm MV	Tubing Fm DK	Prod. Casing	Intermed. Casing
Initial Pressure	#109	#134	#116	#52 Pressure
26 Min:Sec	#109	#134	#116	Flow Char. D
05:00	110	140	116	Flow Char NF
10:00	110	140	116	Flow Char NF
15:00				Flow Char
20:00				Flow Char
25:00				Flow Char
30:00				Flow Char
				Ending Pressure 0

STEP 7: CLOSE ALL VALVES unless approved to vent.

REMARKS:
Note size of valve: BHD: __/__" needle valve, ½" ¾" 1" 2"
INTERMEDIATE: _/_needle valve, ½" ¾" 1" 2"
Clarifying remarks: Closed Valves after test

Tested by: (print name) Chris Gruver (signature)
Phone 326 320 6678 DATE 6/16/10

Witnessed by _____ BLM/COGCC

RECEIVED
JUN 25 2010

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