

P&A Surface Casing Check

Date	12/25/2020			
Operator	Own Res			
Well Name	ROUNDTREE 44-34		API	125-10930
Location	SESE 34 1N46W 6 PM	40.005810 / -102.494440	1049FSL 754 FEL	
Elevations: GL, TD-MD/TVD, PBTD-MD/TVD (ft)	3947	2561	2489	
Permit Formation	NBRR			
Operator-Existing Surface Casing Depth (ft)	399			
Fox Hills Protection Area 5% Rule (ft)	2561	times .05 + 50	0.05	178
Production within	1	mile(s),	NBRR	
Deepest Water Well w/in 1 mile, WW GL (ft)	300	3915	Number of Wells	12
Deepest Water Well w/in 2 miles, WW GL (ft)	315	3935	Number of Wells	62
Deepest Water Well w/in 3 miles, WW GL (ft)			Number of Wells	
Deepest Water Well to consider, WW GL (ft)	300	3915		
Deepest Water Depth corrected for elevation, WW depth + (Local GL - WW GL) + 50' (ft)	300	32	50	382
Base of Fox Hills - SB5 (ft)	NA			
Base of Fox Hills - Cheyenne Basin (ft)	NA			
Base of Fox Hills - Log , GL (ft)	NA	NA	API	NA
Base of Fox Hills - Offset Log corrected for elevation, FH depth + (Local GL - Log GL) + 50'	NA	#VALUE!	50	#VALUE!
Upper Pierre base - Log, GL (ft)	920	3947	API	
Base of Upper Pierre - Offset Log corrected for elevation, UP depth + (Local GL - Log GL) + 50'	960	0	50	1010
Operator Proposed/Existing Surface Casing Depth (ft)	399			399
Minimum Surface Casing Depth (ft)	382			382
Increase Permit Surface Casing Depth	from		to	
Provide Remedial Cement	Csg plug	1300	10 sx	
Comment	High Plains Aquifer is behind surface casing			

Oil and Gas Wells within Map Selection

API	County	Sequence	Location ID	Status	Well	Operator	Qtr	Qtr	Section	Township	Range	Meridian	Lat	Long	Formation Information		Top	Bottom	TD	Formation Status
															Sidetrack	Formation				
125		6562	303212	SI	WOOLERY RC OWN RESOU SWSW				34	1N	46W	6	40.00524	-102.50719	0	NBRR	2331	2380	2520	SI
125		6585	410726	DA	WOOLERY-RC MIDLANDS G SESE				2	1S	46W	6	39.99218	-102.48952						
125		6942	303404	PA	WOOLERY & OWN RESOU SESE				33	1N	46W	6	40.00385	-102.51178	0	NBRR	2356	2392	2534	AB
125		7297	303646	PR	ROY WHITE * OWN RESOU SENE				3	1S	46W	6	39.99814	-102.50783	0	NBRR	2308	2356	2462	PR
125		7298	303647	PR	ROY WHITE * OWN RESOU NWSW				2	1S	46W	6	39.99436	-102.5025	0	NBRR	2277	2330	2491	PR
125		7302	411016	AL	WOOLERY *1 J W OPERATI I SENW				2	1S	46W	6	39.99816	-102.49845						
125		7317	303657	PR	ROY WHITE * OWN RESOU SWNW				2	1S	46W	6	39.99815	-102.50248	0	NBRR	2328	2379	2491	PR
125		7326	411029	DA	WOOLERY *1 J W OPERATI I WNE				2	1S	46W	6	40.00047	-102.49245						
125		7329	411031	AL	ROY WHITE * J W OPERATI I WSW				35	1N	46W	6	40.0054	-102.48854						
125		7667	303913	PR	WOOLERY-RC OWN RESOU NWNW				34	1N	46W	6	40.01563	-102.50819	0	NBRR	2370	2390	2600	PR
125		8146	304258	PR	ROY WHITE * OWN RESOU NENE				3	1S	46W	6	40.00198	-102.50783	0	NBRR	2319	2357	2505	PR
125		8326	304374	PR	WOOLERY RC OWN RESOU NWSW				34	1N	46W	6	40.00859	-102.50846	0	NBRR	2354	2384	2568	PR
125		8739	304592	PR	WOOLERY RC OWN RESOU SENW				34	1N	46W	6	40.01181	-102.50389	0	NBRR	2400	2448	2585	PR
125		9313	411489	DA	WOOLERY-RC NOBLE ENER I NENW				34	1N	46W	6	40.015549	-102.50346						
125		9314	305061	PR	WOOLERY-RC OWN RESOU SWNW				34	1N	46W	6	40.01204	-102.50828	0	NBRR	2368	2398	2563	PR
125		10171	337411	PR	ROUND TREE OWN RESOU NESW				34	1N	46W	6	40.00833	-102.50391	0	NBRR	2310	2344	2535	PR
125		10172	337412	PR	ROUND TREE OWN RESOU SESW				34	1N	46W	6	40.00471	-102.50371	0	NBRR	2354	2404	2550	PR
125		10898	338037	PR	WHITE *11-0 OWN RESOU NWNW				2	1S	46W	6	40.00077	-102.50238	0	NBRR	2336	2383	2560	PR
125		10897	411733	DA	WHITE *13-0 BERRY PETRC NWSW				1	1S	46W	6	39.99404	-102.4838						
125		10895	411732	AL	WHITE *22-0 BERRY PETRC SENW				1	1S	46W	6	39.99867	-102.47893						
125		10912	338051	PR	WHITE *24-3 OWN RESOU SESW				35	1N	46W	6	40.00506	-102.48502	0	NBRR	2371	2405	2600	PR
125		10911	338050	PR	WHITE *23-3 OWN RESOU NESW				35	1N	46W	6	40.00828	-102.48492			2329	2376	2570	PR
125		10909	338048	PR	WHITE *14-3 OWN RESOU SWSW				35	1N	46W	6	40.00517	-102.48961	0	NBRR	2343	2390	2510	PR
125		10908	338047	PR	WHITE *13-3 OWN RESOU NWSW				35	1N	46W	6	40.00828	-102.48935	0	NBRR	2311	2359	2570	PR
125		10907	338046	PR	WHITE *12-3 OWN RESOU SWNW				35	1N	46W	6	40.01195	-102.4893	0	NBRR	2308	2355	2560	PR
125		10914	411734	AL	ROUND TREE BERRY PETRC SWNW				1	1S	46W	6	39.9977	-102.48468						
125		10936	411747	DA	ROUND TREE NOBLE ENER I WNE				34	1N	46W	6	40.01555	-102.49891						
125		10935	338061	AL	ROUND TREE NOBLE ENER I SWNE				34	1N	46W	6	40.0119	-102.49889						
125		10934	338060	AL	ROUND TREE NOBLE ENER I SWSE				34	1N	46W	6	40.00439	-102.49892						
125		10933	338059	PR	ROUND TREE OWN RESOU NENE				34	1N	46W	6	40.01557	-102.49386	0	NBRR	2370	2418	2558	PR
125		10932	338058	PR	ROUND TREE OWN RESOU SENE				34	1N	46W	6	40.01157	-102.49332	0	NBRR	2326	2376	2530	PR
125		10931	338057	PR	ROUND TREE OWN RESOU NESE				34	1N	46W	6	40.00853	-102.49476	0	NBRR	2364	2414	2560	PR
125		10930	338056	SI	ROUND TREE OWN RESOU SESE				34	1N	46W	6	40.00581	-102.49444	0	NBRR	2374	2424	2561	SI
125		10929	338055	PR	ROUND TREE OWN RESOU NWNW				35	1N	46W	6	40.015588	-102.48932	0	NBRR	2349	2399	2500	PR
125		10928	411746	PR	ROUND TREE OWN RESOU NENW				35	1N	46W	6	40.015133	-102.48528	0	NBRR	2390	2410	2638	PR
125		10927	411745	AL	ROUND TREE BERRY PETRC NWSE				35	1N	46W	6	40.00764	-102.47994						
125		10926	411744	AL	ROUND TREE BERRY PETRC SWSE				35	1N	46W	6	40.00451	-102.47872						
125		10917	338054	PR	ROUND TREE OWN RESOU NESW				2	1S	46W	6	39.993895	-102.49928	0	NBRR	2337	2386	2520	PR
125		10915	338053	PR	ROUND TREE OWN RESOU SENW				2	1S	46W	6	39.998279	-102.49884	0	NBRR	2345	2394	2650	PR
125		10910	338049	PR	WHITE *22-3 OWN RESOU SENW				35	1N	46W	6	40.01197	-102.48497	0	NBRR	2324	2371	2570	PR
125		10979	338102	AL	WHITE *21-0 BERRY PETRC NENW				1	1S	46W	6	40.00098	-102.47927						
125		11839	416765	PR	White *44-3 OWN RESOU SESE				35	1N	46W	6	40.005877	-102.47674	0	NBRR	2374	2394	2612	PR
125		11935	419705	PR	Weaver *31- OWN RESOU Lot 6				3	1S	46W	6	40.00033	-102.51144	0	NBRR	2362	2382	2592	PR

Water Wells within Map Selection							300	260	300 ft	
Receipt	Permit	Water Well	Quarter	Section	Township	Range	Depth	Top Perf	Bottom Perf	Aquifer
	9071219 112106-	KOENIG, DEAN	SESE	33	1.0 N	46.0 W				ALL UNNAMED AQUIFERS
	9070015 56561-	WOOLERY, DALE	NESW	34	1.0 N	46.0 W	160	140	160	ALL UNNAMED AQUIFERS
	3669122 297450-	ROUNDTREE, HEATH	SESW	35	1.0 N	46.0 W	300	260	300	OGALLALA
	9071091 99159-	CLAYTON, ROUNDTREE	SESW	35	1.0 N	46.0 W	154	134	154	ALL UNNAMED AQUIFERS
	902628 32494-	WHITE, ROY I	SWNE	35	1.0 N	46.0 W				ALL UNNAMED AQUIFERS
	9071062 97343-	WHITE, ROY	NWNE	1	1.0 S	46.0 W	290	240	290	OGALLALA
0272435A	146920-	WHITE, ROY	NWNE	2	1.0 S	46.0 W				OGALLALA
0272435B	146920--	WHITE, ROY	NWNE	2	1.0 S	46.0 W	205	165	205	OGALLALA
0351779B	170095--	ROUNDTREE, CLAYTON	SESW	2	1.0 S	46.0 W	240	200	240	OGALLALA
0351779A	170095-	ROUNDTREE, CLAYTON	SESW	2	1.0 S	46.0 W	100			ALL UNNAMED AQUIFERS
	3601952	CHEYENNE PLAINS GAS PIPELINE CO LLC	NENW	3	1.0 S	46.0 W				OGALLALA
	9070079 62592-	WEAVER ANDREW R & PEGGY S	NENW	3	1.0 S	46.0 W	150	130	150	ALL UNNAMED AQUIFERS



01357079

125-10930

Schlumberger

Noble Energy, Inc.

Roundtree 44-34 1N46W

Wildcat

Yuma

State: Colorado

Platform Express

Array Induction

with Linear Correlation

DEC 18 2007

COGCC

SESE/4 Sec: 34, T1N, R46W
Lat / Long 40.00580 N / 102.49443 W
1048 FSL / 754 FSLMB. 3963 ft
GL. 3947 ft
D.F. 3962 ftPermanent Datum:
Log Measured From:Ground Level
Kelly Bushing
Drilling Measured From:Elev.: 3947 ft
6.0 ft above Perm. DatumCounty: Yuma
Field: Wildcat
Location: SESE/4 Sec: 34, T1N, R46W
Well: Roundtree 44-34 1N46W
Company: Noble Energy, Inc.

LOCATION	
API Serial No. 05-125-10930-00	Section 34
	Township 1N
	Range 46N

Logging Date 3-Oct-2007

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Driller Size @ Depth

Casing Schlumberger

Bit Size

Type Fluid In Hole

Density Viscosity

Fluid Loss PH

Source Of Sample

RM @ Measured Temperature

RMF @ Measured Temperature

RMF @ Measured Temperature

Source RMF RMF

RM @ MRT RMF @ MRT

Maximum Recorded Temperatures

Circulation Stopped

Logger On Bottom

Unit Number

Recorded By

Witnessed By

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Driller Size @ Depth

Casing Schlumberger

Bit Size

Type Fluid In Hole

Density Viscosity

Fluid Loss PH

Source Of Sample

RM @ Measured Temperature

RMF @ Measured Temperature

RMF @ Measured Temperature

Source RMF RMF

RM @ MRT RMF @ MRT

Maximum Recorded Temperatures

Circulation Stopped

Logger On Bottom

Unit Number

Recorded By

Witnessed By

Run 1

Run 2

Run 3

DEPTH SUMMARY LISTING

Date Created: 3-OCT-2007 3:34:11

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-39P-LXS
Serial Number:	3713	Serial Number:	1223	Serial Number:	6029
Calibration Date:	07-May-2007	Calibration Date:	14-Sep-2007	Length:	17575.00 FT
Calibrator Serial Number:	1	Calibrator Serial Number:	100513	Conveyance Method:	Wireline
Calibration Cable Type:	7-39P-LXS	Calibration Gain:	0.85	Rig Type:	LAND
Wheel Correction 1:	-3	Calibration Offset:	-1.00		
Wheel Correction 2:	-2				

Depth Control Parameters

Log Sequence: First Log In the Well

Rig Up Length At Surface: 0.00 FT

Rig Up Length At Bottom: 0.00 FT

Rig Up Length Correction: 0.00 FT

Stretch Correction: 0.00 FT

Tool Zero Check At Surface: 0.00 FT

Depth Control Remarks

1. All Schlumberger depth policy procedures applied
2. This is the primary depth reference
- 3.
- 4.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1

OS1: None

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 1

First run in well

Tool run as per tool sketch

Matrix is limestone, 2.71 g/cc

Rig: Excell 2

Crew: Tim Ludgate, Jay Musgrave

OTHER SERVICES2

OS1:

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 2

100

MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

ALL DEPTHS AS PER DRILLER

Schlumberger

RESISTIVITY LINEAR 2" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_008LUP	FN:7	PRODUCER	03-Oct-2007 04:52	2562.0 FT	205.2 FT
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Integrated Hole/Cement Volume Summary

Hole Volume = 480.93 F3

Cement Volume = 223.52 F3 (assuming 4.50 IN casing O.D.)

Computed from 2582.0 FT to 403.0 FT using data channel(s) HCAL

OP System Version: 15C0-309
MCM

HILTB-CT8

SRPC-3357-Q2_2007

PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
- └ Integrated Cement Volume Minor Pip Every 10 F3
- └ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

SP (SP)
(MV) -160 40

Gamma Ray (GR)
(GAPI) 0 200

HILT Calliper (HCAL)
(IN) 4 14

AIT-H 10 Inch Investigation (AHF10)
(OHMM) 0 50

AIT-H 90 Inch Investigation (AHF90)
(OHMM) 0 10

AIT-H 10 Inch Investigation (AHF10)
(OHMM) 0 10

AIT-H 90 Inch Investigation Conductivity
(AHFCO90)
(MM/M) 1000 0

Tension (TENS)
(LBF) 10000 0

GR BACKUP

Stuck
Stretch
(STTT)
(F) 0 50

AIT-H 90 Inch Investigation Conductivity (AHTCO90)
(MM/M) 2000 0







