

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2005 NOV 11 08 59

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMSF-078095 A	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator QUESTAR EXPLORATION & PRODUCTION CO.		7. Unit or CA Agreement Name and No. N/A	
3. Address 1050 17TH STREET, SUITE 500 DENVER, CO 80265		8. Lease Name and Well No. HORTON 1 C	
3a. Phone No. (include area code) 303-672-6900		9. AFI Well No. 30-045-33061	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 750 FNL & 1185 FEL At top prod. interval reported below At total depth SAME		10. Field and Pool, or Exploratory Blanco Mesa V., Basin Dakota	
14. Date Spudded 09/24/2005		15. Date T.D. Reached 10/06/2005	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 6477' GL 6485' KB	

18. Total Depth: MD 7725' TVD	19. Plug Back T.D.: MD 7720' TVD	20. Depth Bridge Plug Set: MD N/A TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) INDUCTION, GAMMA RAY, DENSITY, NEUTRON, SONIC, CBL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250"	9-5/8"	36#	SURF	219'	N/A	125sx "G"	25.8	SURF/CIRC	
	J-55								
8-3/4"	7"	26#	SURF	3705'		540sx 75/25	155	SURF/CIRC	1100' by CBL
	K-55					125sx 50/50			
6-1/4"	4-1/2"	13.5#	3415'	7720'		230sx 50/50	109.2	3415' CBL	
	N-80					100sx 50/50		3520	

24. Tubing Record								
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	7502'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A Mesaverde				5271'-5629' OA	.342	30	Please see attached
B Dakota				7502'-7672' OA	.342	27	wellbore diagram
C							for details.
D							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
7502'-7672'	1000 gal 7.5% HCL, 48,100 gal gel, 67,500# 20/40 SLC
5629'-5271'	1500 gal 15% HCL, 51,000 gal slickwater, 180,000# 20/40 Brady sand

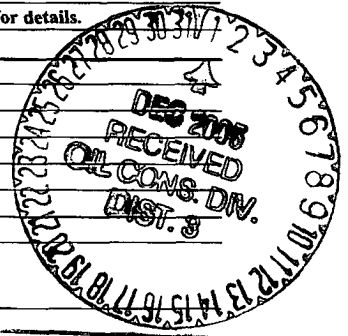
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	11/07/2005	24	→	0	1016	6			Flowing via casing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
48/64"	n/a	70	→	0	1016	6		Flowing Gas Well	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	11/07/2005	24	→	0	1016	6			Flowing via casing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
48/64"	n/a	70	→	0	1016	6		Flowing Gas Well	

*(See instructions and spaces for additional data on page 2)

Both zones on one completion

NMOCD



ACCEPTED FOR RECORD

NOV 28 2005

FARMINGTON FIELD OFFICE
BY *gib*

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				San Jose Fm.	Surface
				Ojo Alamo Ss.	1296'
				Kirtland Sh.	1350'
				Fruitland Fm.	2603'
				Pictured Cliffs Ss.	3080'
				Lewis Sh.	3275'
				Cliff House Ss.	4660'
				Menefee Fm.	4906'
				Point Lookout Ss.	5303'
				Mancos Sh.	5716'
				Gallup Ss.	6692'
				Greenhorn Ls.	7396'
				Graneros Sh.	7443'
				Dakota Ss.	7500'
				Total Depth (Driller)	7725'
				Total Depth (Logger)	7730'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) LANI P. RIEGER

Title SR. ENGINEERING TECHNICIAN

Signature

Date 11/10/2005

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

API # 30-045-33061

HORTON 1C
NENE 7 - 31N - 11W
San Juan County, NM
 Spud: 9/24/05
 First Sales:

Date: 10/20/2005

9-5/8" Surface Casing:

5 jts 9-5/8", 36#, J-55, 8rd @ 219' KB
 Cmt w/ 125 sx "G" @ 15.8# and 1.16 cf/sk
 Full returns - Cement to surface - Float held

7" Intermediate Casing:

X jts 7", 26#, K-55, 8rd @ 3,705' KB
 Cmt w/ Lead 540 sx "75/25 TXI/G" @ 11.7# and 2.11 cf/sk
 Tail 125 sx 50/50 Poz @ 13.5# and 1.26 cf/sk
 Lost returns (last 10 bbls displacement.)
 - No Cement to Surf - Float Held

ID	DD	Cap	*Collap	*Burst
(in)	(in)	(bbl / ft)	(psi)	(psi)
6.276	6.151	0.0382	3400	3900

4-1/2" Liner:

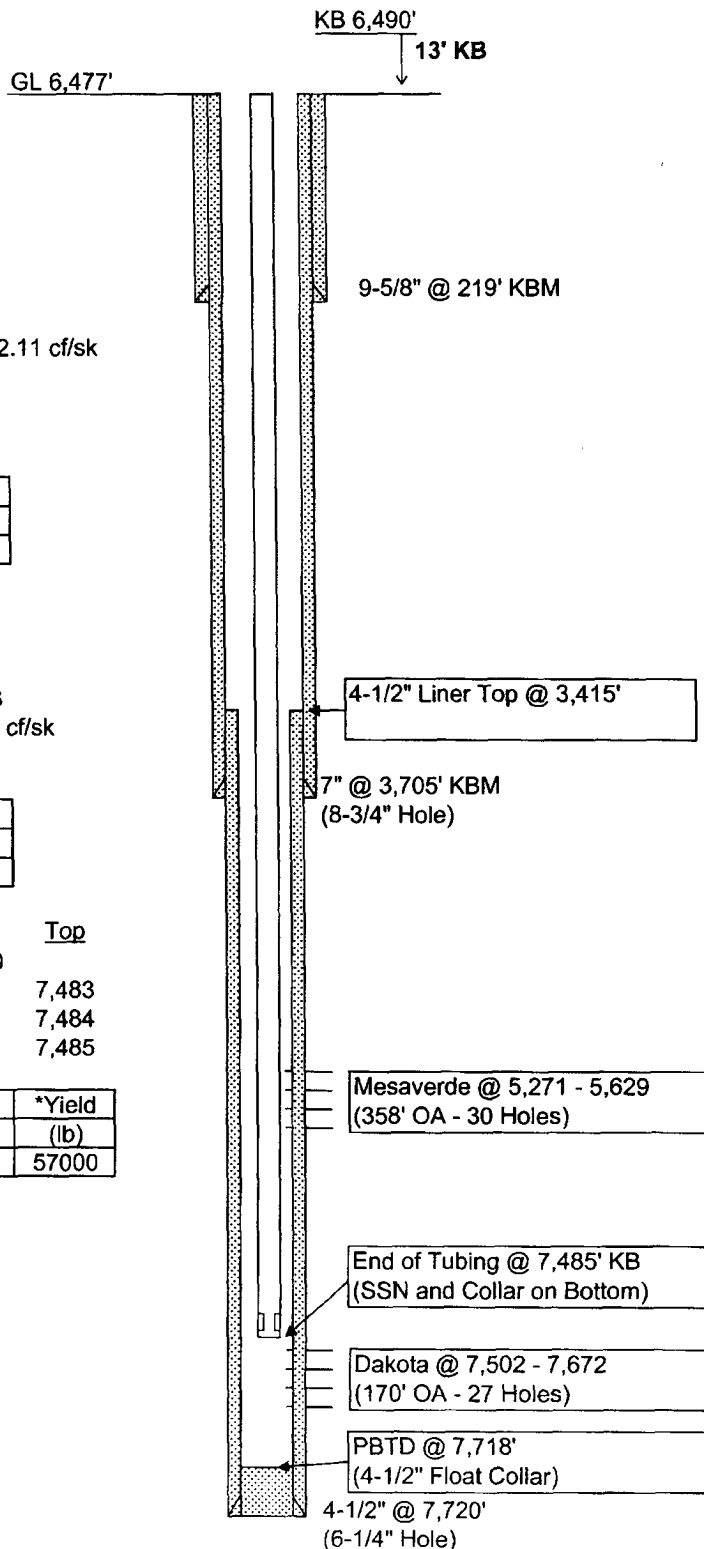
98 jts 4-1/2" 13.5#, N-80, ST&C set @ 7,397' KB
 Hanger De-rated to 4-1/2" 10.5# K-55
 Liner Top @ 3,415' KB; Float Collar @ 7,718' KB
 Cmt w/ Lead 230 sx TXI Lt Wt @ 11.4# and 2.28 cf/sk
 Tail 100 sx 50/50 G:Poz @ 13.5# and 1.25 cf/sk

ID	DD	Cap	*Collap	*Burst
(in)	(in)	(bbl / ft)	(psi)	(psi)
3.920	3.795	0.0149	3200	3800

2-3/8" Tubing:

	Length	Top
XX jts 2-3/8" 4.7#, J-55, 8rd	7,470.00	
Standard Seating Nipple	1.00	7,483
1/2 Pump-off sub	1.00	7,484
EOT		7,485

ID	DD	Cap	*Collap	*Burst	*Yield
(in)	(in)	(bbl / ft)	(psi)	(psi)	(lb)
1.995	1.901	0.00387	6400	6100	57000



*Burst, Collapse, and Yield are De-rated to 80%

HORTON 1C
NENE 7 - 31N - 11W
San Juan County, NM

Mesaverde (Stage 2)

Top	Bottom	Height	Spf	Holes	Stimulation
5271	5274	3	1	3	
5348	5351	3	1	3	
5370	5373	3	1	3	
5380	5383	3	1	3	
5395	5398	3	1	3	
5407	5410	3	1	3	
5425	5428	3	1	3	
5438	5441	3	1	3	
5451	5454	3	1	3	
5626	5629	3	1	3	
358		ft	30		Holes

CFP @ 5680 ft 1822 ft to next perf

Dakota (Stage 1)

Top	Bottom	Height	Spf	Holes	Stimulation
7502	7505	3	1	3	
7510	7513	3	1	3	
7529	7532	3	1	3	
7585	7588	3	1	3	
7601	7604	3	1	3	
7617	7620	3	1	3	
7628	7631	3	1	3	
7658	7661	3	1	3	
7669	7672	3	1	3	
170		ft	27		Holes

PBTD @ 7720 ft 48 to ft rat hole