

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Questar Exploration and Production Company

3. ADDRESS OF OPERATOR

1050 17th Street, Suite 500, Denver, CO 80265 (303) 672-6931

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1872' FSL, 1906' FWL; SEC. 27, T32N, R12W NMP100CT 2003

At top prod. interval reported below

At total depth

14. PERMIT NO.

30-045-31417

DATE ISSUED

3/17/2003

15. DATE SPUDDED

4/2/2003

16. DATE T.D. REACHED

4/10/2003

17. DATE COMPL. (Ready to prod.)

5/1/2003

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GL 6138', KB 6150'

19. ELEV. CASINGHEAD

6138'

20. TOTAL DEPTH, MD & TVD

5,412' MD

21. PLUG BACK T.D., MD & TVD

5309'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0 - TD

CABLE TOOLS

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD & TVD)*

4704' - 5213' Mesaverde

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

HRTT, SDL/ DSN,

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8" K	36#	226'	12 1/4"	126 sks of Class G cmt	6
7" J	23#	2968'	8 3/4"	235 sks of Class G cmt tailed w/ 165 sks 50/50 Poz.	400
		2967			

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2" K	2771'	5287'	325		2 3/8"	4950"	
	2759	5382					

31. PERFORATION RECORD (Interval, size and number)

See attached

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4704' - 5213'	42,557 gal foamed slickwater
	1,208.3 mscf N2
	113,815 lb 2/40 Brady Sand.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					WELL STATUS (P (Producing or shut-in))	
4/29/2003		Flowing					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO	
4/29/2003	24	20/64	→	0	1138	5	N/A	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)		
	470	→	0	1138	5	N/A		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Will be sold.

TEST UNIT RECEIVED
ACCEPTED FOR RECORD
Everett Toombs

35. LIST OF ATTACHMENTS

Wellbore Diagram.

SEP 29 2003

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Dea Steele

TITLE

Sr. Engineering Analyst

FARMINGTON FIELD OFFICE
DATE 9/18/2003

*(See Instructions and Spaces for Additional Data on Reverse Side)

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

NMOCD

HORTON 4 B

NESW Sec., 27, T32N, R12W

San Juan County, NM

Drilled by Questar Exploration and Production Co.

Spud date: 4/2/03

Schematic - not drawn to scale

Revised: 5/6/03

9-5/8" Surface Casing:

Ran 226.19' of 9-5/8", 36#, K-55, 8rd LT&C csg

CSG equipped W/ Guide Shoe

Baffle Plate

3 Centralizers

Cemented 9-5/8" surface csg w/ 125 sks of Class G cmt
w/ 2% CaC12, .25#/ sk. D-29. Full returns throughout job.
The above casing is landed @ 226'

7" Intermediate Casing:

Run 67 jts of 7", 23#, J-55, LT&C csg

CSG equipped W/ Guide Shoe

Float Collar

10 Centralizers.

Cemented csg w/ 235 sks of Class G cmt
Tailed w/ 165 sks of 50/50 Poz cmt.
Full returns throughout job.
The above casing is landed @ 2960'

4-1/2" Liner:

Ran 62 jts of 4-1/2" 10.5# K-55 ST&C Liner

4-1/2" CSP-6 Tie-Back Sleeve

4-1/2" 11.6# N-80 X 7"-23# CSP Liner Top Packer

4-1/2" 11.6# N-80 X 7"-23# CHL Liner Hanger

4-1/2" J-55 Casing

4-1/2" PLF Landing Float Collar

4-1/2" Flapper Float Shoe

Cemented Liner w/ 125 sks of LiteCrete cmt
Tailed w/ 200 sks 50/50 Poz
Liner set @ 2760' - 5382'

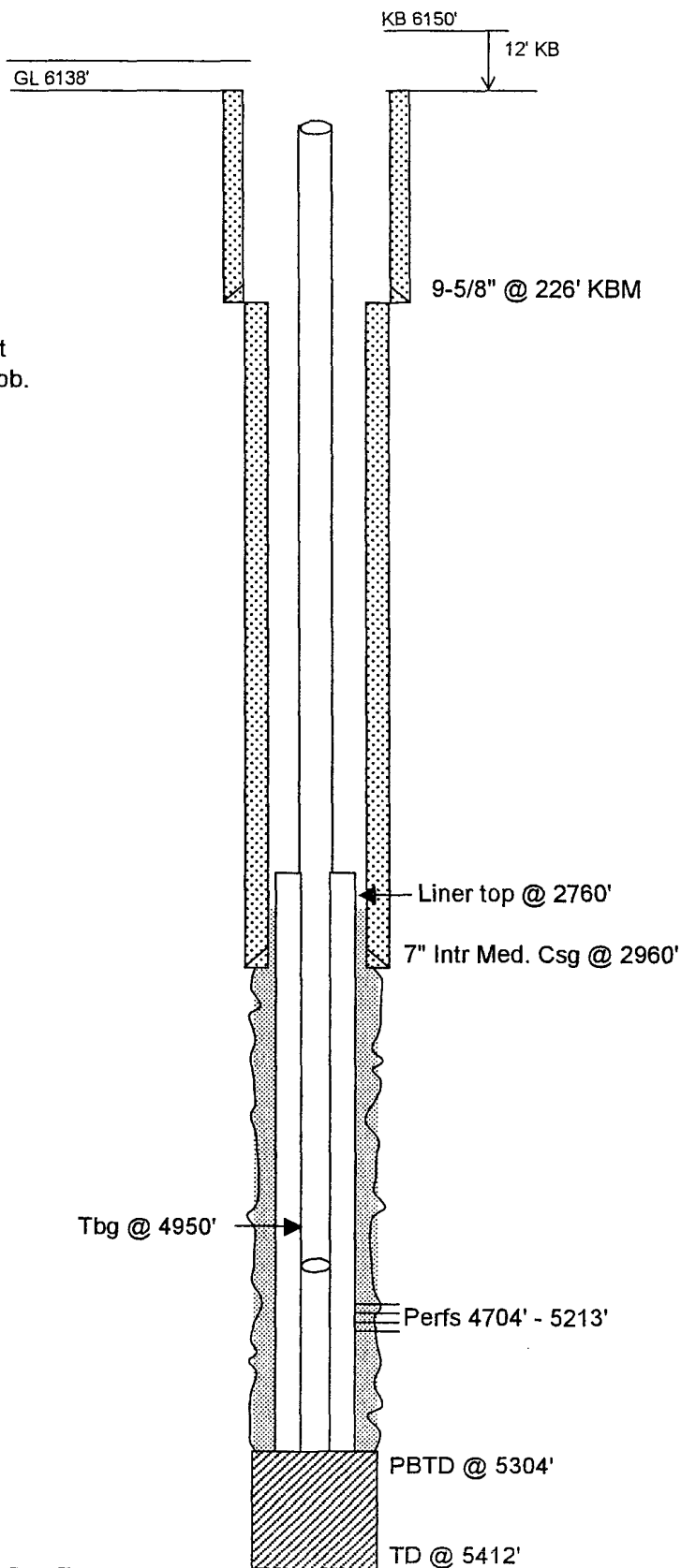
Tubing:

168 jts 2-3/8" tbg

SN 1 jt 2-3/8" tbg

12 jts 2-3/8" tbg

Tbg @ 4950'



Horton 4B
NMSF-078146A

37. SUMMARY OF POROUS ZONES: (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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo Ss.	624	
				Fruitland	2134	
				pictured cliffs Ss.	2526	
				Lewis Sh.	2782	
				Cliff House Ss.	4188	
				Menefee Fm.	4416	
				Point Lookout Ss.	4876	
				Mancos Sh.	5231	

PERFORATION RECORD *(Interval, size and number)*

4704'	0.32	1
4776'	0.32	1
4787'	0.32	1
4880'	0.32	2
4913'	0.32	2
4924'	0.32	2
4930'	0.32	2
4941'	0.32	2
4972'	0.32	2
4996'	0.32	2
5043'	0.32	1
5188'	0.32	1
5213'	0.32	1