

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Box DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

COPY 2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.
30-039-21636

5. INDICATE TYPE OF LEASE
STATE ☐ FEE ☒

6. STATE OIL & GAS LEASE NO.
FEE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER				7. LEASE NAME OR UNIT AGREEMENT NAME SAN JUAN 28-7 UNIT	
b. TYPE OF COMPLETION: NEW WORK PLUG DIFF WELL <input type="checkbox"/> OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input checked="" type="checkbox"/> OTHER					
2. NAME OF OPERATOR CONOCO, INC.				8. WELL NO. #249	
3. ADDRESS OF OPERATOR P.O. Box 2197, DU 3066, Houston, TX 77252-2197 (281) 293-1613				9. POOL NAME OR WILDCAT OTERO CHACRA	
4. WELL LOCATION Unit Letter <u>H</u> : <u>1610'</u> Feet From The <u>N</u> Line and <u>830'</u> Feet From The <u>E</u> Line Section <u>30</u> Township <u>28N</u> Range <u>7W</u> NMPM RIO ARRIBA County					
10. DATE SPUDDED 7/9/78	11. DATE T.D. REACHED 1/16/93	12. DATE COMPL. (Ready to prod.) 5/24/00	13. ELEV. (FE, RKB, RT, GE, etc.) 5933'	14. ELEV. CASINGHEAD	
15. TOTAL DEPTH 7021'	16. PLUG, BACK T.D. 4050'		17. IF MULTIPLE COMPL. HOW MANY ZONES?	18. INTERVALS DRILLED BY ROTARY <input checked="" type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>	
19. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME 3476' - 3620' OTERO CHACRA				20. WAS DIRECTIONAL SURVEY MADE	
21. TYPE ELECTRIC AND OTHER LOGS RUN DEPTH CORRELATION AND TRACER SURVEY				22. WAS WELL CORED	

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB/FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	206'	12-1/4"	224 SXS	
7"	23#	2794'	8-3/4"	265 SXS	
4-1/2"	9.5#	7021'	6-1/2"	654 SXS	

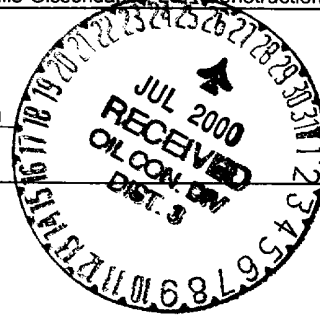
24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3470' (Final)	

26. PERFORATION RECORD (Interval, size and number) SEE ATTACHED SUMMARY	27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND OF MATERIAL USED

28. PRODUCTION							
DATE FIRST PRODUCTION 9/30/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING - DHC #2518	
DATE OF TEST 5/23/00	HOURS TESTED 24 hrs	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 0 bbl	GAS - MCF 264 mcf/d	WATER - BBL 12 bbls	GAS - OIL RATIO
FLOW. TUBING PRESS 40#	CASING PRESSURE 150#	CALCULATED 24 - HR RATE	OIL - BBL 0 bbl	GAS - MCF 264 mcf/d	WATER - BBL 12 bbls	OIL GRAVITY - API (Corr)	

29. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED	TEST WITNESSED BY Willis Gissendaner L&B Construction
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30. LIST ATTACHMENTS SUMMARY	
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief	
SIGNATURE: <u>Debra Sittner</u>	TITLE: <u>As Agent for Conoco Inc.</u> DATE <u>7/25/00</u>
TYPE OR PRINT NAME: <u>Debra Sittner</u> TELEPHONE NO.: <u>(970) 385-9100</u>	



CONOCO, INC.
SAN JUAN 28-7 UNIT #249
API#: 30-039-21636
1610' FNL & 830' FEL, UNIT 'H'
SEC. 30, T28N - R07W

- 4/28/2000 Road unit to location, spot equip and RU. Service rig and secure location for the night.
- 5/1/2000 Bleed well down, kill tbg. ND wellhead and NU BOP. TOOH laying down 78 jts 1 1/2" tbg. Change over equip for 2 3/8". RIH w/ impression block on sand line, tagged fill on top of fish around 60' high. Will get better tag when running in w/ tbg. Secure well for the night.
- 5/2/2000 Bleed down well. TIH w/ wash pipe, 4 drill collars and 78 jts 2 3/8" tbg. PU power swivel, PU 1 jt and tag up @ 2620'. RU BJ N2 and cleanout to 2652'. Circulate clean. RD BJ. RD swivel and TOOH w/ tbg, collars, wash pipe and fish (part of perf gun). TIH w/ 3 7/8" mill and 78 jts tbg. Secure well for the night.
- 5/3/2000 RU compressors. Bleed well down. PU 4 jts. RU swivel. PU 1 jt and start milling on cmt retainer @ 2625'. Circulate clean @ 2630'. Lay down swivel and 2 jts. Secure well for the night.
- 5/4/2000 Bleed well down. TIH w/ 2 jts and tag @ 2630'. Couldn't make hole. TOOH w/ tbg and mill. Replaced mill. TIH w/ 84 jts and DO&CO to 2808'. TOOH w/ 6 jts. Secure well for the night.
- 5/5/2000 Bleed down tbg and csg. TIH w/ 6 jts 2 3/8" tbg. Tag up @ 2808'. Cleanout to 3100'. TOOH w/ 16 jts and unplug string float. Secure well for the weekend.
- 5/8/2000 Replace kelly hose. TIH w/ 16 jts 2 3/8" tbg. Couldn't pump down tbg. TOOH w/ 99 jts. Replaced mill w/ 3 7/8" bit. TIH w/ 99 jts. Tag cmt @ 3100'. Drill out cmt to 3122'. TIH w/ 16 jts 2 3/8" tbg, unload well @ 3596'. TIH w/ 14 jts 2 3/8" tbg, unload mud @ 4050'. Circulate clean. TOOH w/ 129 jts. Secure well for the night.
- 5/9/2000 Bleed well down. TIH w/ 3 7/8" tapered mill, crossover and subs and 6 1/4" mill on 85 jts 2 3/8" tbg. Milled and dressed up top of liner. TOOH w/ mills and tbg. PU 3 7/8" scraper and 126 jts 2 3/8" tbg. TIH to 3976'. TOOH w/ tbg and scraper. PU 4 1/2" Halliburton pkr and 106 jts 2 3/8" tbg. Set pkr and test csg to 2000#, held ok. Unset pkr and TOOH. Secure well for the night.
- 5/10/2000 RU Blue Jet. RIH w/ GR tool and log from 4044' to 2600' to use for correlation. POOH and PU 3 1/8" perf gun. Perforate 1 spf @ 3476' to 3496'. TOOH w/ gun and PU 2nd perf gun and perforate 1 spf @ 3606' to 3620'. POOH w/ gun and RD w/l. TIH w/ 4 1/2" Halliburton pkr and 107 jts 2 3/8" tbg. Set pkr @ 3384'. RU BJ and breakdown perfs w/ 1000 gals 15% HCL and 51- 7/8" 1.1 sp gr ball sealers in 25 stages. Pressure test lines. Start breakdown on water @ 1800# pumped 28 bbls @ 9 bpm. Start acid and balls, broke to 1200#, pumped @ 6 bpm. Into flush noticed leak at wellhead swage. RD BJ and repaired. Resumed pumping water, 26 bbls @ 15 bpm to 5400# Shut down for ISDP, went to 0#. Csg pressure increased to 300#. RD BJ and attempt to knock ball sealers off w/ pkr. Pkr was stuck. Shutdown frac due to unforeseen pressure increase on csg and lack of pressure @ new CH perfs. Kept working on pkr and finally got loose. POOH w/ pkr and secure well for the night.
- 5/11/2000 Bleed well down. TIH w/ 4 1/2" Halliburton RBP and 84 jts 2 3/8" tbg. Set RBP @ 2725'. TOOH, PU Halliburton 7" RTTS pkr and 82 jts 2 3/8" tbg. Set pkr and attempt to test liner top @ 2630'. Did not test. TOOH w/ 7" pkr. PU Halliburton 4 1/2" pkr and TIH. Unset RBP, PU 20 jts and set RBP. TOOH w/ 22 jts, set pkr. Test to 1000#, held ok. Unset pkr, TIH w/ 22 jts. Unset RBP and TOOH w/ tbg , pkr and RBP. Left RBP set @ 2725', dropped 2 sks of sand on top of plug. Secure well for the night. NOTE: Received verbal approval from Charlie Perrin @ NMOCD @ 2:30 PM to sqz liner top.
- 5/12/2000 TIH w/ Halliburton 7" cmt retainer and 81 jts 2 3/8" tbg. Set retainer @ 2555'. RU BJ to pump cmt. Pressure test lines and established rate and pressure @ 2.5 bpm @ 730#. Pumped 5 bbls of water and shutdown, started pumping 75sks of Type 3 (14.5) cement @ 2 bpm, displaced w/ 7 bbls. Shutdown for 10 mins and then pumped 2.5 bbls of water. TOOH w/ 81 jts, PU 4 drill collars and stand up. Secure well for the night.
- 5/15/2000 TIH w/ 6 1/4" mill, 4 collars and 77 jts 2 3/8" tbg. Tag cmt @ 2535'. Start milling on retainer. Secure well for the night.
- 5/16/2000 Start up gas compressors and blow well around w/ gas. Drillout cmt retainer @ 2555', push pieces of retainer downhole while drilling out cmt to 2586'. Blow well clean. Secure well for the night.
- 5/17/2000 Blow well w/ gas. Drill out cmt to liner top @ 2630'. TOOH w/ 6 1/4" mill and stand back 3 1/16" drill collars. Lay down mill and PU 3 7/8" bit. TIH and tag cmt @ 2630'. PU power swivel and drill cmt into 4 1/2" liner. Wash out sand to bridge plug @ 2650'. Ran sweeps and blow well clean. Lay down 1 jt, hang back swivel and secure well for the night.
- 5/18/2000 Blow well w/ gas. TOOH w/ 3 7/8" bit. TIH w/ 7" Halliburton RTTS pkr. Set pkr w/ 80 jts 2 3/8" tbg @ 2540'. Test liner top to 500#. Did not hold. Unset pkr, run 1 stand and reset pkr. Attempt to get test, still leaking. Very small leakage (30# in 1 min.). RU BJ and attempt to spot 15% HCL across liner top to breakdown leak. Tried to pump into leak at 2000#, would not breakdown. RD BJ and left 600# on tbg. Secure well for the night. NOTE: Notified Steve Hayden @ NMOCD @ 3:32pm
- 5/19/2000 Found no pressure on well. Attempt to pump into well @ 1600#, could not. Unset pkr and TOOH w/ 82 jts 2 3/8" and 7" pkr. TIH w/ 1 jt 2 3/8" tailpipe under 7" pkr and 82 jts. Set pkr and spot acid again. Set pkr and let sit for 30 mins. Attempt to pump in @ 2500#, holding solid. Charted results. Unset pkr, TOOH. TIH w/ overshot, tag sand @ 2634'. Circulate 20' sand, PU 2 jts and CO to RBP. Unset RBP, TOOH. TIH w/ 4 1/2" Halliburton RTTS pkr, set and RU rig pump. Pumped 20 bbls into Chacra perfs and caught pressure @ 500#, pumped 15 more bbls and had slight

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vac. TOO H w/ tbg & pkr. Secure well for the night. NOTE: Notified Charlie Perrin w/ NMOCD of no test @ 8:47 am.
NOTE: Notified Charlie Perrin of good test @ 11:30 am.

5/22/2000 Bleed well down. RU Blue Jet and reperforate same intervals as before (3476' to 3496') (3606' to 3620'). RD w/l. PU 4 1/2" Halliburton RTTS pkr, 1 jt 2 3/8" tbg, change over to 2 7/8" and 85 jts 2 7/8" tbg. TIH and set pkr @ 2650'. RU frac "Y" from Stinger and RU BJ. Pressure test lines. Breakdown perfs w/ 75 bbls of water, shutdown for ISIP @ 470#. Frac Chacra w/ 85000# 20/40 Brown sand and 38327 gals- 70 Q N2 Foam 30 @ 2700# max pressure, 2400# avg pressure @ 25 bpm, ISDP 1314#, 5min 1074#, 10 min 1066#, 15 min 1061#. Total fluid to recover 367 bbls. RD BJ and opened well to flow thru 1/4" choke. Turned over to drywatch w/ 1060#.

5/23/2000 Flowback well on 1/2" choke. Kill tbg. ND frac "Y". Unset pkr. POOH and lay down 85 jts 2 7/8" tbg w/ pkr. Secure well for the night. NOTE: Chacra test: Oil 0, Water 12, Gas 264 mcfpd, Tbg 40#, Csg 150#, 1/2" Choke, Tbg depth for test 2650' Test witnessed by: Willis Gissendaner w/ L&R Construction 5/24/2000 CSG 630#. RU Blue Jet. PU GR tool and RIH to log Chacra zone for frac isolation information. According to log frac stayed in zone and no other communication noted. POOH and RD w/l. Bleed well down, kill csg. Lay down 4 drill collars. TIH w/ mule shoe, sn and 128 jts 2 3/8" tbg. Lay down 18 jts. Land tbg @ 3483' w/ KB (110 jts). ND BOP and NU wellhead. Unload well. RD