

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF 078913

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CONOCO INC.Contact: DEBORAH MARBERRY
E-Mail: deborah.moore@usa.conoco.com8. Lease Name and Well No.
LINDRITH B UNIT 1083. Address P.O. BOX 2197 DU 3066
HOUSTON, TX 772523a. Phone No. (include area code)
Ph: 281.293.10059. API Well No.
30-039-26791

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNE 2000FNL 2305FEL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
LINDRITH GALLUP-DAKOTA11. Sec., T., R., M., or Block and Survey
or Area Sec 15 T24N R3W Mer NMP12. County or Parish
RIO ARRIBA13. State
NM14. Date Spudded
09/22/200115. Date T.D. Reached
10/01/200116. Date Completed
☐ D & A ☒ Ready to Prod.
01/09/200217. Elevations (DF, KB, RT, GL)*
6965 GL18. Total Depth: MD
TVD 771019. Plug Back T.D.: MD
TVD 761420. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J-55	36.0		504		300		0	
7.875	5.500 N-80	17.0		7705		960		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7589							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
LINDRITH GALLUP-DAKOTA	7332	7530	7502 TO 7530		112	OPEN
B)			7332 TO 7430		108	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7502 TO 7530	FRAC W/88,520# 20/40 SAND, 10,542 GALS 2% KCL WATER, 5838 GALS 25# LINEAR GEL
7332 TO 7430	FRAC W/106,980 # 20/40 SAND, 17,178 GALS 2% KCL WATER, 23,486 GALS 25# LINEAR GEL
7332 TO 7430	REFRAC W/50,120# 20/40 SAND, 14,280 2% KCL WATER, 6930 GALS 25# LINEAR GEL

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
01/31/2002	01/07/2002	24	→	1.0	155.0	3.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	700	620.0	→					GSI	

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #10167 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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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.*)
SOLD

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
OJO ALAMO	2600	2842		OJO ALAMO	2600
				KIRTLAND/FRUITLAND	2843
				PICTURED CLIFFS	3108
				BASE PICTURED CLIFFS	3180
				HUERFANITO BENTONITE	3481
				CHACRA	3981
				CLIFFHOUSE	4758
				MENEFEE	4780
				POINT LOOKOUT	5259
				MANCOS	5612
				GALLUP	6368
				SANOSTEE	6954
				GREENHORN	7240
				GRANEROS	7306
				DAKOTA	7330

32. Additional remarks (include plugging procedure):

This well is now a single producing from the Lindrith Gallup-Dakota.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

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

**Electronic Submission #10167 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Rio Puerco**

Name(*please print*) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 02/22/2002

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.

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Daily Summary

API	300392679100	County	RIO ARRIBA	State/Province	NEW MEXICO	Surface Legal Location	NMPM-24N-3W-15-G	NS Dist. (ft)	2000.0	NS Flag	N	EW Dist. (ft)	2305.0	EW Flag	E
Ground Elev (ft)	6965.00	Spud Date	9/22/2001	Rig Release Date	10/6/2001	Latitude (DMS)	36° 18' 44.2116" N	Longitude (DMS)	107° 8' 32.712" W						

Start	Ops This Rpt
11/1/2001	Road rig to location, spot an rig up unit and equipment. NDWH , NUBOP. Secure well shut in.
11/1/2001	Rig up floor an equipment. Test BOP . Tested okay. PU drill collars, six of them., an tbq. tally in. 1870'. Secure well SDFN
11/2/2001	Day off
11/3/2001	Day off
11/4/2001	Tally , pick up an RIH with tbq. Tag up at 3027'. 1st DV tool. RU pump, est. circalation. Drill out DV tool. RIH with tbq, tag up on 2nd DV tool at 6028'. RU pump , est circalation. Start drill on tool. Drill on for 2 hours. PU tbq, circalated hole clean, Shut down. secure well.
11/5/2001	RIH with tbq. tag up on DV tool , finish drilling out. RIH with tbq, tag up at PBTD at 7614'. Circalate hole, an displace volume with fresh KCL. POOH with tbq , drill collarrs, lay down. An mill. Load csg, RU pump truck, Test csg to 4800#. Csg held rock solid for 20 mins. Bled press. down . RD pump truck. Secure well SDFN.
11/6/2001	RU wireline unit , ran DCL log from 7613' to 7000'. POOH with logging tool. RIH with csged hole gun. Perf. from 7502' to 7530', 4 SPF, 112 holes. Made two gun runs. POOH with perf. gun. RD wireline. RU frac unit. Frac well with 88520# of super LC 20/40 sand. Fluid type was 65Q foam. Avg. treating press. 3200#, at 21.5 BPM, Well screen off with 40 left on flush stage. About 2000' +- of sand in well bore. RD frac unit, move off. shut in press. 3860#. Shut well in. Secure well SDFN
11/7/2001	Csg. press. 2600#. RU flow back lines, Blow well down. All N2. No sand. Well blew down in two an a half hours, thur . 1/2" choke. RIH with tbq., tag sand at 6686'. RU pump, est. circalation. Start clean out. Clean out to 6844'. Circalate hole , PU tbq. Shut downn pump an drain. Secure well SDFN
11/8/2001	160# on csg. Blew down, RIH with tbq. tag up at 6844'. RU pump, est. circalation. Start clean out. Clean out sand to 7502'. Circalate hole clean. RD pump, drain. POOH with tbq, lay down. Secure well SDFN
11/9/2001	Day off
11/10/2001	Day off
11/11/2001	Csg. press. 160#, RU wireline, RIH with 5 1/2" comp. plug. Set at 7456'. POOH with setting tool. Load csg. an test plug to 4300#. Tested okay. Blow down press. RIH with perf. gun, made two runs, perf. well from 7332' to 7356', 2SPF 48 holes. from 7424' to 7430'. 2SPF/12 holes. total holes 60. POOH with perf gun. RD wireline. RU isolation tool, RU frac unit, Test lines to 5800#. set pop off at 4330#. Load hole 2bbbs, Braek point 1860#, brought rate up to 26BPM/1950#. ISIP 1100# load acid, start balls. Drop 75 ball sealers. Use 205 bbbs on flush, good ball action, didnot get a ball off. Seen press as high as 4300#. RD frac ubit, RD isolation tool. RU wireline, RIH with junk basket, recovered 65 ball sealer. RD wireline. RU isolatipon tool, RU frac unit, test lines to 5300#, Reset pop off to 4320#. Start pad pump 180 total on pad , start at 32BPM/2518#, 40BPM/3050#. Step down 2800#/25BPM, 2150#/24.5BPM, 1650#/12 BPM. Shut down, ISIP 1200#. Shut down 30 mins. in 5 mins. down to 1136#, in 15 mins. 869#, in 30 mins. 708#. RU N2 line, test line to 5300#. No leaks. Frac well with 82000# of super LC 20/40 , treating fluids 65Q foam. Well screen off at the tail end of 4# stage. possible only got 40000# of sand into formation. Avg. treating press. 3550#/46.5 BPM Shut in well 4300#. RD frac unit. SDFN
11/12/2001	Csg. press. 2800#, RU flow back line. Flow back well thur 1/2" choke. Well blew down in 2 1/2 hrs. Pick up an RIH with tbq. Tag sand at 3810', RU pump , clean out sand to 4884'. Circalate clean, drain up. Securw well SDFN
11/13/2001	Csg. press. 0#, RU pump , est. circalation. Start cleaning sand, clean out to 6623', from 4484'. Circalte clean , shut down, drain pump. Secure well SDFN.
11/14/2001	Csg. press. 0#, RU pump, est. circalation, Start clean out. Clean sand from 6623', to 7456'. To plug. Circalate hole clean. RU rig up , drain. RU N2 pump , unload well. RD N2, shut in well. SDFN
11/15/2001	Csg. press. 700#, tbq. press. 750#. RU flowback from tbq. thur 1/2" choke. Tbg. blew down. RU floor, RU swab. RIH with swab, int. fluid level at 3600'. Swab well rest of day, fluid level down to 5000'. Swab back frac fluids, no traces of oil or sand. Recovered about 150 bbbs of fluids. Csg down to 600#. RD swab. SECURE WELL SDFN.
11/16/2001	Day off
11/17/2001	Day off
11/18/2001	Csg. press. 1100#, Tbg. press. 400#, open tbq. , blew down. RU air unit to tbq. Open csg. Csg. blew down, Start up air unit, unload well . Some traces of oil, Unload well for 4 hours. Well making some water, Shut down, Rig up air to csg.,unload well , air unit has 300# on it. No sand. Recovered about 100 bbbs of water. RD air unit, SECURE WELL SDFN
11/19/2001	Csg press. 850#, tbq. press. 600#, Open tbq. up thur 1/2" choke, tbq. blew down. Well would not flow, Blow well down, RIH with tbq. tag up on plug at 7456'. No fill, PU tbq to 7350'. RU air unit unload well. Well unload about 10 bbbs of fluid. Some traces of oil. Air unit has 290# on it Well not bring in very much fluids or gas. Shut down unit for one hour, Hook up to csg. UNload well, unloaded about 3 bbbs of fluid. Cont. to blow well around, not bring much in. Made a soap sweep , made it around in 20 mins. Shut down unit, Secure well SDFN
11/20/2001	Csg. press. 800#, Tbg. press. 600#. Open up tbq, blew down, RU air to csg. Well unload , press up to 1100# on air unit. Well unload about 10 bbbs of fluid. Press. down to 300#. Circalate hole, well not making much of any thing. Press. 290# on air unit. Shut down air, blow well down, RIH with tbq tag plug at 7456', no fill. POOH with tbq. lay down on trailer. Shut well in. Shut down for holidays.
11/26/2001	Check press., Csg press. 900#. Blow down well. NDBOP, NU frac vavle. RIG down rig an equipment. Move off. Well will stay shut in till we refrac upper DK. Wait on eng.

Daily Summary

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Ground Elev (ft) 6965.00	Spud Date 9/22/2001	Rig Release Date 10/6/2001	Latitude (DMS) 36° 18' 44.2116" N	Longitude (DMS) 107° 8' 32.712" W			

Start	Ops This Rpt
12/10/2001	Refrac upper DK. Rig up isolation tool. Rig up frac unit, well press. 860#, Test lines, set relief valve, Max press. 5000#. Start pre-pad, load hole with 74 bbls. treating press at 4572# at 39.5BPM. pumped 250 Bbls. 2% KCL. on prepad. Start pad, press. down at end of pad, 3470# at 43.2 BPM. Pump 333 Bbls. on pad. Start .5 # sand, press at 3128# at 43 BPM, at end of 158 Bbl. stage. Start 1# sand, press. down to 3068# at 43 BPM at end of 192 Bbl. stage. Start 2# sand, press. down to 2913# at 43 BPM at end of 233Bbl. stage. Start 3# sand, press. down to 2731# AT 42.8 BPM, at end of 189 Bbl. stage. Flush with 165 Bbls. to top perf, press up at end of flush to 3167# at 38.7#. Avg. treating press 3200#, at 41.5 BPM, ISDP 1950#. Final press. 1725#. Frac was done rigless. Shut well in, waiting on rig.
12/18/2001	Road rig to location, Spot in rig an equipment an rig up. Csg. press. 110#. RU flow lines. blow well down, ND frac valve. NUBOP, Will test in am. Secure well SDFN
12/18/2001	Csg. press. 0#, RU BOP tester, test BOP. tested okay. RU flow lines, RU compressors, RU blewly lines to pit. Mechanic out for comp. start up. Secure well SADFN
12/19/2001	Warm up equipment, csg. press. 0#. PU an tally in tbg. , RIH with 4100' of tbg. Start up compressors. Mechanic out to first start. Unload well from 4100'. Lots of frac water on returns. Some oil at first. Shut down compressors, drain up equipment. SDFN
12/20/2001	Csg. prtess. 380#, tbg. press. 600#. Open up well, blew down. RU compressors. Unload well, lots of frac water. Shut down comps., RIH with tbg., to 5670'. RU comps., unload well. Having some problems with one comp. Notified mechanic. Shut down comp, SDFN. recovered about 150 Bbls of frac fluid.
12/26/2001	Csg. press. 0#, tbg. press. 625#, Warm up equipment, Start up comps., . Had trouble starting . Below zero temp. Unload well from 5670'. making lots of fluid with some sand. an some oil. Only one comp. working, mechanic has not check other one yet. Shut down comps. Drain up equipment. SDFN. Recovered about 200 bblsof fluid.
12/26/2001	Csg. pressw. 380#, tbg. press. 630#, Warm up equipment. Open well blew down. Start up comp, unload well, unloaded about 10 bbls of oil on first slug. UNload well press down to 400# on comp. Shut down comp, RIH with tbg to 6640'. Start up comp. unload well, Frac water an some oil. Shut down comp. SDFN Recovered about 100 bbls of fluid.
12/27/2001	Csg. press. 290#, tbg. press 1000#., Warm up equipment. Unload well, Slug of oil on first round. Still continue to have trouble with one comp. Mechanic out finally, has to order parts . UNload well with one comp. From 6640'. Shut down comp. SDFN recovered about 100Bbls of fluid.
12/31/2001	Csg.press. 560#, tbg.press. 960#., Open well up blew down. RU air unit. unload well. lots of water with some oil. very little gas. Some sand. Shut down air, RIH with tbg. tag fill at 7356'. Start up air, clean out fill to 7433'. Unload well, making heavy fluids an sand. Blew around rest of day. Press on air unit down to 310#, Unloading some fluids , Takes 1 min. to fill a 5-gal can. with 2 cups of sand . Shut down air, PU tbg to 7337'. SDFN Recovered about 200 bbls of fluid.
1/2/2002	Csg. press. 580#, tbg. press. 750#. Warm up equipment. RU flow back line to pit with 1/2" choke nipple. Open tbg up, blew down. Blow down well, RIH with tbg. tag fill at 7400'. RU air unit, clean out sand to 7433'. Continue to unload well, well making water, some sand, trace of oil, but very little gas. Shut down air, PU tbg to 7337'. Secure well SDFN
1/2/2002	Csg. press. 380#, tbg. press. 400#. RU flow line to pit, with 1/2" choke. Open up tbg. well blew down. Blew down csg. RIH with tbg. tag fill at 7433'. Swivel up. RU air unit, unload well, clean out sand to 7456'. Tag plug, Drill out plug, press, up to 1200# circulate . made serval soap sweeps. Well unload some oil an lots of frac fluid. an sand. Shut down air, RIH with tbg., tag fill at 7527'. RU air, Circulate an clean out to 7536'. Unload well there, still making lots of water an sand. Shut down air, PU tbg to 7337'. Secure well SDFN. Recovered about 200 Bbls. of fluid.
1/3/2002	Csg. press. 420#, tbg. press. 460#, RU 2' flow line with 1/2" choke nipple. Open up well, blew down. Blow down csg. RU air unhit, unload well, blow down well, RIH with tbg, tag fill at 7536'. RU swivel, clean out to 7622', (PBDT). Unload well. Ran out of fluids an gas, 390# on air unit. Shut down air, PU tbg. to 7337'. Secure well SDFN. Recovered 150 bbls of fluid, some oil.
1/7/2002	Csg. press. 620#, tbg. press. 700#. RU flow line to pit, thur 1/2" choke. Open well up, blew down. Blow down csg. RIH with tbg. tag fill at 7622', no new fill. POOH with tbg. an mill. RIH with mule shoe collar, seat nipple, an tbg. to 7338'. RU air, charge up back side, unload well. Made about 20 bbls of fluid. no sand. some oil. Shut down air, RU flow line, with 1/2" choke. Open up tbg. well flowing with 25# on tbg, an 620# on csg. some water, with a trace of oil.Well flow at those press. for 5 hours. Test for well, 155MCF, 3 BBlS. of water, 1 BBl. of oil. Tbg set at 7338'. Well flowing thur 1/2" choke. Tbg. press. 25#, csg. press. 620#. Witness by Gilbert Bennett . Date of test 1/7/02 .Gas will be going to El Paso. Secure well SDFN
1/7/2002	Csg. press. 780#, tbg. press. 330#, RU flow line thue 1/2" choke, open up tbg. , blew down. RU swab, RIH with swab, tag fluid level at 2500'. on first run, 2nd run, 3400'. Swab on well for awhile. Recovered about 10 bbls. Some oil. RD swab. blow down well. RIH with tbg. tag up at 7622'. No new fill. RU air unit, unload well. PU tbg to 7333'. Charge up csg an unload well up tbg. . At one point ran out of fluid an gas. Air unit had 390# on it. RD air unit, SDFN
1/8/2002	Csg. press. 640#, tbg. press. 800#, Open up tbg thur 1/2" choke nipple. Werll blew down. Blow down well, RIH with tbg. tag up at 7622'. No new fill. POOH with tbg. RIH with mud anchor, perf. sub, 8-joints of tbg, tbg. anchor, an 231 joints of tbg. Tbg landed at 7589', with KB. Set tbg. anchor, land tbg. NDBOP, NUWH. RU for rods. Secure well SDFN
1/9/2002	Csg. press. 640#. tbg. press. 300#, Blow down well, RIH with pump, (2X1 1/2 X 16 RWBC-2), 3- 1.5" K-Bars, 297 class "D" 3/4" rods, space off with 2-8' an 1-6' 3/4" rod subs. with a 22', 1 1/4" polish rod. Seat off pump, rig up pump, load hope an test tbg. to 500#. Tested okay. Long stroke pump, pump pumping okay. Rig down rig an equipment, ready to move off. Last report Will be installing pumping unit, after rig moves off.