

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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 MARBERY  
E-Mail: deborah.marberry@usa.conoco.com

8. Lease Name and Well No.  
LINDRITH B UNIT 110

3. Address P.O. BOX 2197 DU 3066  
HOUSTON, TX 77252

3a. Phone No. (include area code)  
Ph: 281.293.1005

9. API Well No. 30-039-26820

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

At surface SWSE 900FSL 1770FEL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory  
LINDRITH GALLUP DK WEST

11. Sec., T., R., M., or Block and Survey  
or Area Sec 15 T24N R3W Mer NMP

12. County or Parish  
RIO ARRIBA

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
7127 GL

14. Date Spudded  
10/08/2001

15. Date T.D. Reached  
10/18/2001

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/22/2002

18. Total Depth: MD 7827  
TVD

19. Plug Back T.D.: MD 7730  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
TDT, INDUCTION, MICROLOG

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		508		300		0	
7.875	5.500 N-80	17.0		7822		1020		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	7624							

**25. Producing Intervals**

**26. Perforation Record**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
LINDRITH GALLUP DK WEST	7460	7664	7632 TO 7664		128	OPEN
B)			7460 TO 7562		36	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7632 TO 7664	FRAC W/75,000 20/40 SAND & 27,287 2% KCL WATER, FLUSH W/7,434 LINEAR GEL
7460 TO 7562	FRAC W/100,140 20/40 SAND & 36,638 2% KCL WATER, FLUSH W/3,066 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
02/01/2002	01/21/2002	24	→	10.0	1200.0	10.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	SI	450.0	→					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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #10400 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	2673	2932		KIRTLAND/FRUITLAND PICTURED CLIFFS BASE PICTURED CLIFFS HUERFANITO BENTONITE CHACRA CLIFFHOUSE MENELEE POINT LOOKOUT MANCOS GALLUP SANOSTEE GREENHORN GRANEROS DAKOTA ENCINAL CANYON	2933 3218 3304 3606 4106 4874 4894 5381 5720 6491 7087 7374 7431 7457 7713

## 32. Additional remarks (include plugging procedure):

This well is now a Lindrith Gallup DK West single well. Attached are the daily summaries.

## 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 #10400 Verified by the BLM Well Information System.  
For CONOCO INC., sent to the Rio Puerco

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACTSignature (Electronic Submission)Date 02/19/2002

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

## Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392682000	RIO ARRIBA	NEW MEXICO	NMPM-24N-3W-15-O	900.0	S	1770.0	E
Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
7127.00	10/8/2001	10/22/2001	36° 18' 20.4912" N	107° 8' 25.9512" W			

Start	Ops This Rpt
1/21/2002	Csg press. 1000#, tbg. press. 900#, Open well to pit, well unloading oil an water. Kill tbg with 10 Bbls of KCL. POOH with 59 stands an mill. RIH with muls shoe collar, seat nipple, an 246 joints of tbg. tag up on float collar. POOH with 4 joints of tbg. lay down. land tbg at 7624'. RD floor, RDBOP. RUWH. Secure well SDFn
1/22/2002	Csg press. 1140#. tbg. press. 1140#, Open up tbg., well flowing an unloading water an oil. Flow csg. down to 900#, Shut well in. RD equipment an rig move off. Last report. Well shut in , waiting on pipeline.

## Daily Summary

API 300392682000	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-24N-3W-5-O	NS Dist. (ft) 900.0	NS Flag S	EW Dist. (ft) 1770.0	EW Flag E
Ground Elev (ft) 7127.00	Spud Date 10/8/2001	Rig Release Date 10/22/2001	Latitude (DMS) 36° 18' 20.4912" N	Longitude (DMS) 107° 8' 25.9512" W			

Start	Ops This Rpt
11/26/2001	Road rig to location, Rig up pulling unit. Spot in equipment. Could not find one of the anchors. NDWH, NUBOP, Rig up floor an tongs. Shut down, Secure well SDFN.
11/26/2001	Set dead man anchor. Finish rigging up. NDWH, NUBOP, Rig up floor, rig up equipment. Test BOP. Pick up an RIH with mill, drill collars an tbg. Tally in. Tag up on first DV tool at 3130'. PU tbg. secure well SDFN
11/27/2001	Check press. 0#, RIH with tbg. tag up 3130'. RU pump an swivel, est circulation. Start drilling out DV tool. Drill on toll for 3 hours, drill out tool, RD swivel, RIH with tbg. tag up at 6315'. RU pump an swivel, est. circulation Start drill on 2nd DV tool. Drill on tool for 2 hours, Shut down drilling, shut down pump an swivel. lay down two joints of tbg. Drain up equipment. SDFN
11/28/2001	Csg. press 0#, RIH with tbg. tag up at 6315'. RU pump an swivel. Est. circulation. Drill out DV tool. Pick up an RIH with tbg. tag up at 7728'. Circulate hole clean. Displace with 150bbls of clean 2% KCL. RD pump an swivel. POOH with 3900' of tbg. SDFN
11/29/2001	Winter weather condition, slow start. Csg. press. 0#, Finish POOH with tbg an drill collars. Lay down. RU pump truck, Press. test Csg to 4800#, tested okay. tested for 30 mins. RD pump truck. NDBOP, NUfrac valve. Rig down pump an start picking up equipment. SDFN
12/3/2001	Rig down pulling unit, Move off.
12/28/2001	MIRU wireline unit. 0# on csg. RIH with logging tool. Run DCL log from 7731' to 7100', POOH with logging tool. RIH with perf gun. Perf lower DK, as followed: 7632' - 7664'. 4SPF, 128 holes. POOH with perf gun, all shots fired. RD wireline. RU isolation tool, RU frac unit. Pressure test lines to 5500#, set an test relief valve to 4550#, test three times. Start loading hole, took 3 bbls to load hole. Break point 2780#, at 12BPM at 1190#. Start acid pump 1000 gals of 15% HCL acid. Brought rate up to 25BPM at 2261#. ISIP 1300#. Displace with 200BBls of 2% KCL. Shut down, in 30 mins. down to 500#. RU N2 lines, test to 5700#. Start pad, 100 Bbls. press. started at 2580#, end at 3350# at 39.5BPM. 1# stage started at 3726# at 40.4 BPM. end of stage at 3580# at 41.4BPM. 58 Bbls pumped. SC 2.76, 2# sand, start at 3619# at 41.3BPM, end 3353# at 40.6BPM. SC 5.45, 3# stage started at 3378# at 41.3BPM, end 3345# at 38.9BPM SC 7.1 Flush well with 178BBls ISIP 2100#, in five mins 1728#. Shut well in. RD frac unit, RU wireline unit, RIH with 5.5" comp. plug seyt at 7605'. Test plug to 4800#, tested okay. Had trouble getting plug in hole, had to reschedule second stage of frac, RD wireline, Rd frac unit, RD isolation tool. Shut well in.
1/5/2002	MIRU wireline, RIH with perf. gun, Perf. as followed from 7556' - 7562', 6' at 2SPF. an from 7460' - 7474', 12' at 2SPF. total holes 36. POOH with perf gun. all shots fired. RD wireline, RU isolation tool, RU frac unit. Test lines to 5640#, solid test. set an test relief valve, three times set at 4480#. Load hole with 104 bbls. break point at 2980#, start acid, pump 1000 gals. of 15% HCL acid at 10BPM/896#. drop 2 balls per bbls. drop 52 balls. Brought rate to 15Bpm/1168# then to 18.4BPM/ 1554# then to 22BPM/ 1835#. Ball off well, great ball action, solid ball off. Rd frac unit, RU wireline, RIH with junk basket, could not get past first dv tool with basket, POOH with Junk basket, RIH with waight bar, Knock off balls. POOH with bar. RD wireline, RU frac unit, Start prepad, 23BPM/1650#, -31.6BPM/2346#, Step down to 16BPM/1375#-12BPM/ 1145# ISIP 950# 130 Bbls. pumped. pad, at 15.6BPM at 3380#. 100 bbls on pad. 1# sand start at 17.4 BPM/ at 3497#, end 17.9BPM/3309#, 100 Bbls on stage. 2# sand started at 19.3BPM/3276#, end 19.3BPM/3210#, 98 bbls in stage, 3# sand start at 21.2BPM/ 3130#, end 21.2BPM/3170#. 169 Bbls on stage. Flush well with 173BBls. ISIP 2680#. Shut well in. RD frac unit.
1/11/2002	Warm up rig, chain up. Road rig to next location. Spot rig an equipment. Rig up. Rig up flow back equipment. Csg. press. 2600#, Open well up on 1/2" choke nipple. In four hours well press. down to 600#, well flowing back lots of N2 with water an some traces of oil.. In 7 hours well press down to 350# still lots of N2 with water an traces of oil. Turn flow back over to drywatch.
1/14/2002	Csg. press. 1400#, Open well up on 1/2" choke nipple. Flare gas. Flowed well for 5 hours, press. down to 150#. Well making Lots of fluid. water an some oil.. Pumped 40 bbls of KCL, Kill well. ND frac valve, NUBOP. Rig up floor, well start flowing in ab out 20 mins. Rig up blewy line. press. up to 60# on 2" flow line. Press. up to 100# on 2" lines. Well flowing lots of frac water, trace of oil. Shut in well. BOP fail test, well replace pipe rams an retest in am.
1/14/2002	Csg. press. 1100#, Open well up on 1/2" choke. Change out pipe rams. Test BOP. Okay. Pumped 40 Bbls, of 2% KCL. RIH with 3700' of 2 3/8" tbg. with sawtooth collar an seat nipple on bottom. With string float. Shut down, SDFN
1/15/2002	Csg press. 700#, Blow well down, Rih with tbg., tag fill at 7583'. RU air, start clean out. Clean out fill to 7592'. Shut down air, PU tbg to 7560'. Brought flow up tbg. Csg. press. 1000#, tbg. 80# well flowing on 1/2" choke. Well flowing, unloading some oil an water, lots of gas. Flowed upper DK. Shut well in. SDFN
1/16/2002	Csg press. 1220#, tbg. press. 760# Open well up on two inch flow line thur 1/2" choke. Flow well all day, avg. tbg. press. 140#, avg. csg. press. 400#. well Flowed about 5Bbls of oil an 10 Bbls. of water. mcf was about 872. Test for upper DK. No sand. Shut well in.
1/17/2002	Csg press. 1200#, tbg. 640#. Blow well down, Open csg out blewy line. Well flowing some oil. POOH with tbg an seat nipple. RIH with mill an tbg. tag up on fill at 7585'. RU air unit, clean out fill. Tag up on plug at 7608'. Drill out plug. Press. up on air unit to 1400# when drill out plug. RIH with tbg. tag fill at 7722'. clean out to 7730'. ( float collar) Unload well from there. Well making some oil an water, very little sand. Shut down air unit, PU tbg to 7560'. SDFN.
1/21/2002	Csg. presss. 1400#, tbg. press. 500#. Open up csg thur 2" line, well unload some oil an water. Shut in csg. open up tbg, thur 2" line. Well start flowing up tbg. Well flowing at 160# on tbg. Shut well in, put in 1/2" choke nipple. Open well. Well flowing at 400# on csg an 320# on tbg. well making some oil an water. Flow test well. 4hrs. stabilized rate. 200# tbg. press. 450# csg. press. End of tbg. 7560', fow rate 1200 Mcf. Test thur 1/2" choke, 10Bbls. oil, 10 BBls water Witness by Gilbert Bennet, Key energy. Date of test 1-21-02. Gas will be going to El Paso. Kill tbg. with 10 bbls of KCL. RIH with tbg, no fill, tag up on float collar(7730') POOH with 4000' of tbg. Secure well SDFN

# Form Status Menu

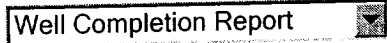
## Well Completion Report

This Well Completion Report was received by the BLM Well Information System and will be processed by the Rio Puerco BLM office.

Current status of Transaction Number **10400**:

Date Sent: **2/19/2002**  
Current status of submission: **RECVD**  
Sent to BLM office: **Rio Puerco**  
Lease number: **NMSF 078913**  
Submitted attachments: **1**  
Well name(s) and number(s):  
**LINDRITH B UNIT #110**

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