



Production Department

Western Hemisphere Petroleum Division
Continental Oil Company
152 North Durbin
Casper, Wyoming 82601
(307) 234-7311

November 18, 1971

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Gentlemen:

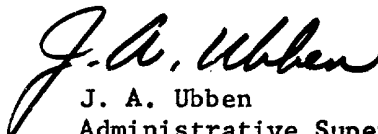
Deviation Surveys
Jicarilla 28 No. 11
Rio Arriba County, New Mexico
File: DO-410-CF

The following deviation surveys were run on Jicarilla 28 No. 11, located
Unit Letter B, 930' FNL, 2040' FEL, Section 33, T25N, R5W, Rio Arriba
County, New Mexico:

<u>Deviation Angle</u>	<u>Depth (ft.)</u>	<u>Deviation Angle</u>	<u>Depth (ft.)</u>
1/4 degree	90	1 1/4	4269
1/4	240	1	4544
1/2	729	3/4	4844
1/2	1230	3/4	5328
2	1730	1	6180
2	2230	3/4	6455
1 1/2	2478	1	6782
2	2975	1	7276
1 1/4	3100	1	7560
1 1/4	3935		

The above information is current and true to the best of my knowledge.

Very truly yours,


J. A. Ubben
Administrative Supervisor

1p

Signed and subscribed before me
this 19 day of 11, 1971.


Notary



My Commission Expires Dec 20, 1971
(attached to Form C-104)

C-104 form will follow when potential test is obtained.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR		Continental Oil Company				MAR 15 1972 OIL CON. COM. DIST. 3	
3. ADDRESS OF OPERATOR		152 North Durbin, Casper, Wyoming 82601				5. LEASE DESIGNATION AND SERIAL NO. Contract No. 66	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 930' FNL, 2040' FEL ("B")				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
At top prod. interval reported below						7. UNIT AGREEMENT NAME	
At total depth						8. FARM OR LEASE NAME Jicarilla 28	
14. PERMIT NO.		DATE ISSUED				9. WELL NO. 11	
15. DATE SPUDDED		16. DATE T.D. REACHED				10. FIELD AND POOL, OR WILDCAT W. Lindrith - Undesignated	
10-23-71		11-5-71				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23, T25N, R4W	
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*				12. COUNTY OR PARISH Rio Arriba	
11-20-71		6851' GR, 6866' KB				13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
7560'		7528'		Two		Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		Gallup 6434-6477', NEP 13' Dakota 7284-7493', NEP 60'				25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-GR, GR-CL						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	
8 5/8"	24#	238'	12 1/4"	150 sax Class "A"			
4 1/2"	10.5#	7562'	7 7/8"	950 sax 50-50 Poz "A"			
				200 sax Lite-wt.			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	7257'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
Gallup - 2 shots/ft. 6474-77, 6464-71, 6434-40. Dakota - 7493-98(3), 7474-88(8), 7433-35(2), 7390-94(3), 7315-21(4), 7296-7304(5), 7289-91(2), 7278-84(4)				DEPTH INTERVAL (MD)			
				Gallup			
				Dakota			
				37,000 gal. 1% KCl wtr, 61,000# 10-20 sand			
				47,000 gal. 1% KCl wtr, 84,800# 10-20 sand			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-20-71		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-18-71	24			50	165	95 BLW	3300
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			50	165	0	45.7	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold to El Paso Natural Gas Company						E. B. Errett	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE Administrative Supervisor				DATE 3-10-72	

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seal Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

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 TEST, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VENT. DEPTH
Pictured Cliffs	3072	3162	Sandstone	Pictured Cliffs	3072	
Chacra	3944	4012	"	Chacra	3944	
Mesaverde	4744	5418	"	Mesaverde	4744	
Gallup	6302	6512	"	Mancos	5430	
Dakota	7276	7565	"	Gallup	6302	
				Graneros	7258	
				Dakota	7276	

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1 GAS 1
OPERATOR	1
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator
Continental Oil Company
Address
152 No. Durbin, Casper, Wyoming 82601
Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla 28	Well No. 11	Pool Name, Including Formation Undesignated Gallup Undesignated Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. 66
Location Unit Letter B 930 Feet From The North Line and 2040' Feet From The East Line of Section 33 Township 25N Range 4W NMPM Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Shell Oil Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1588, Farmington, New Mexico					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, New Mexico					
If well produces oil or liquids, give location of tanks.	Unit J	Sec. 28	Twp. 25N	Rge. 4W	Is gas actually connected? Yes	When 11-15-71

If this production is commingled with that from any other lease or pool, give commingling order number: R - 4071

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 10-23-71	Date Compl. Ready to Prod. 12-18-71	Total Depth 7560'	P.B.T.D. 7528'					
Elevations (DF, RKB, RT, GR, etc.) RB	Name of Producing Formation Gallup & Dakota	Top Oil/Gas Pay 6399' Gallup 7276' Dakota	Tubing Depth 7257'					
Perforations Gallup 6474-77, 6464-71, 6434-40' w/2 shots/ft. Dakota 7493-98 (3 shots) 7474-88' (8 shots), 7433-35 (2 shots) 7390-94 (3 shots) 7315-21 (4 shots) 7296-7304 (5 shots) TUBING, CASING, AND CEMENTING RECORD 7289-91 (2 shots) 7278-84 (4 shots) HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT			7560'					
12 1/4"	8 5/8"	238'	150					
7 7/8"	4 1/2"	7560'	1150					
	2 3/8"	7257'						

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 11-14-71	Date of Test 12-21-71	Producing Method (Flow, pump, gas lift, etc.) Pumping Gallup & Dakota Commingled	
Length of Test 24 Hours	Tubing Pressure ---	Casing Pressure ---	Choke Size ---
Actual Prod. During Test 145	Oil-Bbls. 50	Water-Bbls. 95 Bbls. Load Water	Gas-MCF 165

Allowable Requested: 50 BOPD - commingling approved Case No. 4462,
GAS WELL Order No. R-4071, Dated 11-18-70.

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Ernest DeLeon
(Signature)

Administrative Supervisor
(Title)

January 24, 1972
(Date)

OIL CONSERVATION COMMISSION
FEB 2 1972

APPROVED _____, 19____
BY Original Signed by Emory C. Arnold
TITLE SUPERVISOR DIST. #7

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.