

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Joint Venture	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Odessa Natural Corporation, Att: Mr. John Strojek			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 3908, Odessa, Texas 79760			8. FARM OR LEASE NAME Jicarilla Joint Venture "PC"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1850' FSL, 790' FEL At proposed prod. zone Same			9. WELL NO. 110	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Ballard Pictured Cliffs ☒	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'			11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 10-T23N-R3W N. M. P. M.	
16. NO. OF ACRES IN LEASE -----			12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE N. M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3190'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7204' GR			22. APPROX. DATE WORK WILL START* 6-6-78	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0	120	100 sacks
7-7/8"	4-1/2"	10.50	3190	150 sacks

It is proposed to drill the following well using drilling mud as a circulation medium. All possible producing intervals in the Pictured Cliff Formation will be perforated for completion.

Estimated Formation Tops

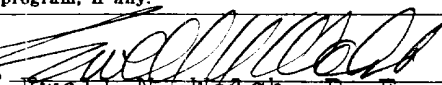
Ojo Alamo	2678'	Pictured Cliffs	3040'
Kirtland	2725'	Lewis	3155'

The SE/4 of Section 10 is dedicated to this well.

The gas produced from this well is committed.

For: Odessa Natural Corporation

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.  President, Walsh Engr. & Production Corp. DATE April 7, 1978
SIGNED Ewell N. Walsh, P. E. TITLE DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ST
*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

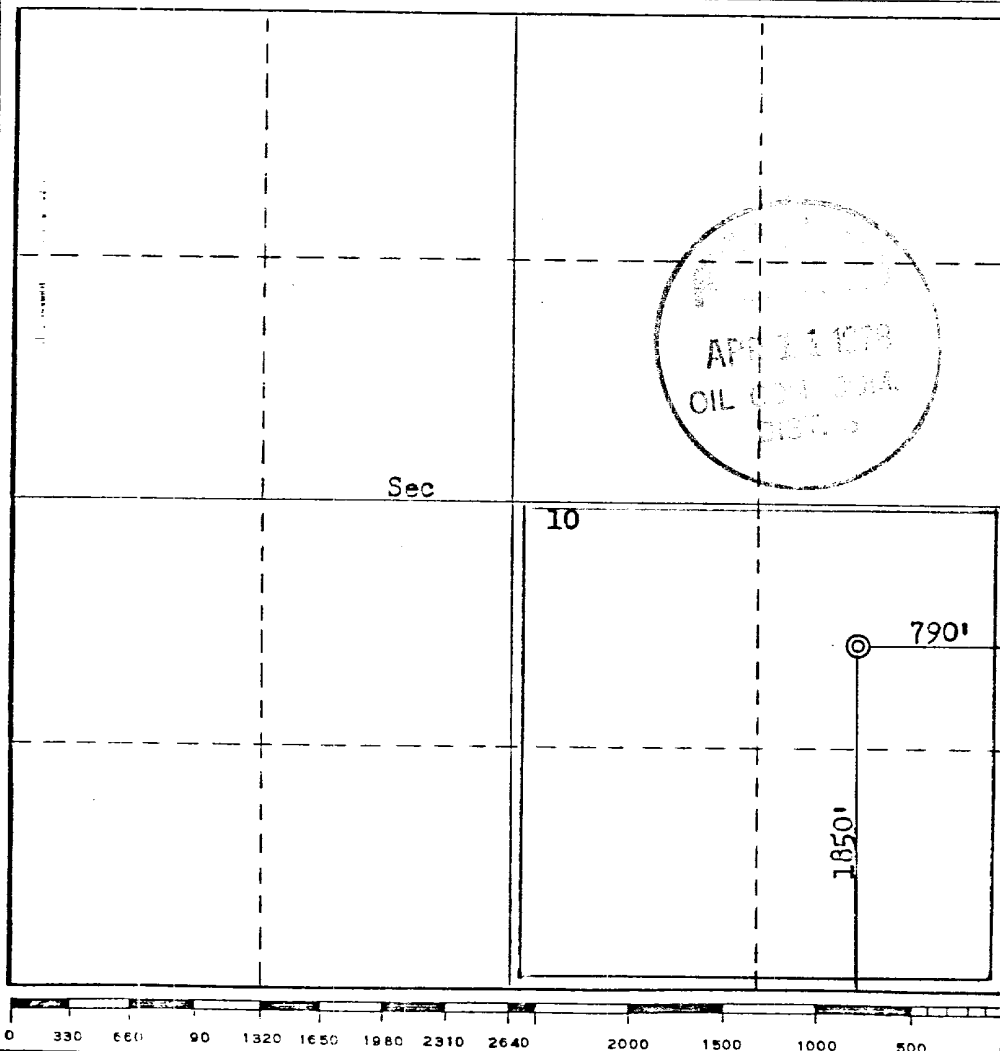
Operator Odesa Natural Corporation			Lease Jicarilla Joint Ventures PC		Well No. 110
Unit Letter I	Section 10	Township 23N	Range 3W	County Rio Arriba	
Actual Well Location of Well: 1850 feet from the South line and 790 feet from the East line					
Ground Level Elev. 7204	Producing Formation Pictured Cliffs		Pool Ballard Pictured Cliffs		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

For: **Odesa Natural Corp.**

Ewell N. Walsh, P. E.

Position

President

Company **Walsh Engineering and Production Corp.**

Date

April 7, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

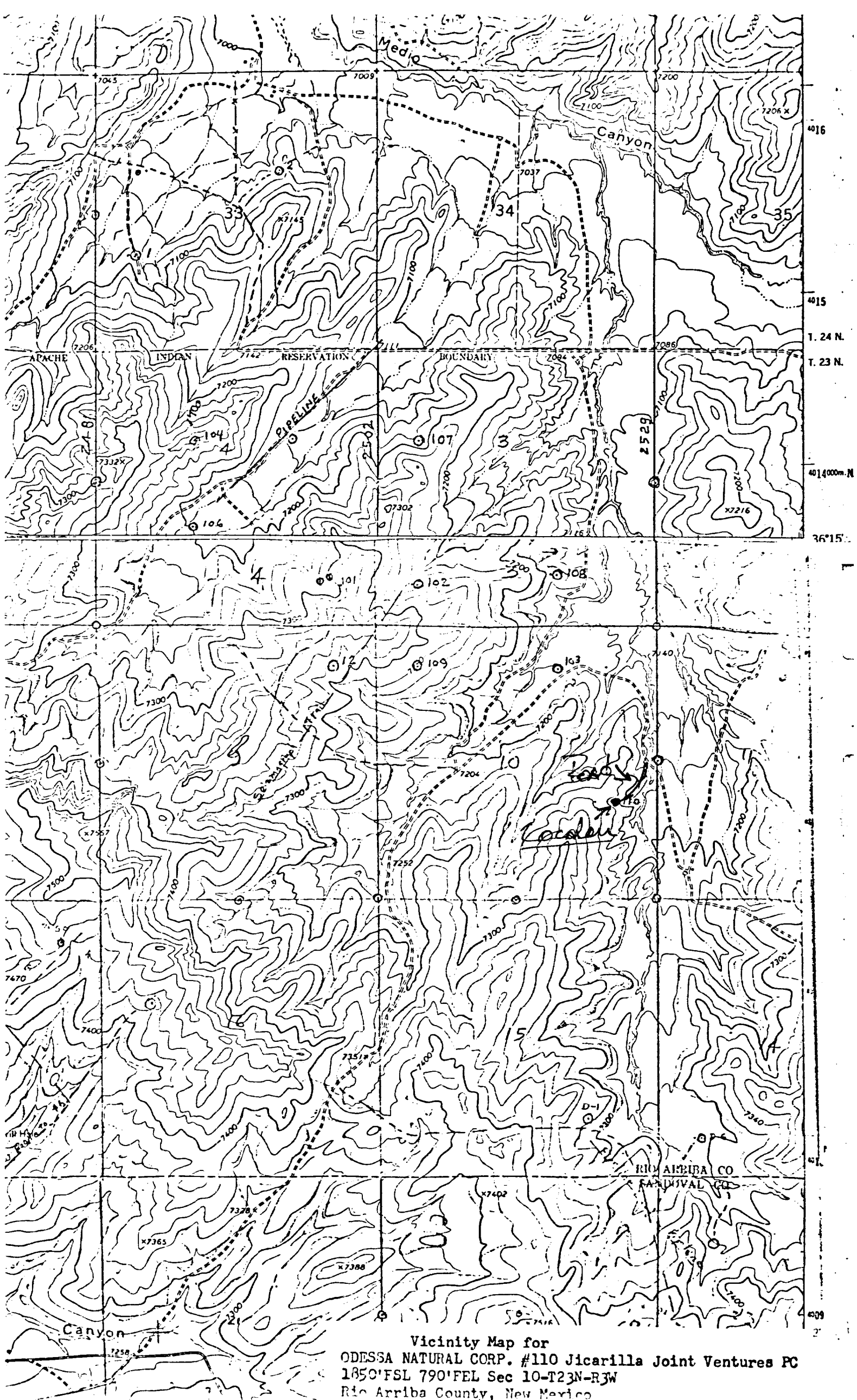
March 22, 1978

Registered Professional Engineer and/or Land Surveyor

Fred B. Kern Jr., P.E.

Certificate No.

3950



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 ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. CENVR. ☐	Other _____
2. NAME OF OPERATOR						Odessa Natural Corporation Attn: John Strojek	
3. ADDRESS OF OPERATOR						P.O. Box 3908 Odessa, Texas 79760	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						At surface 1850' FSL, 790' FEL	
At top prod. interval reported below						Same	
At total depth						Same	
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED				16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
7/28/78				7/30/78		8/10/78	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*				19. ELEV. CASINGHEAD			
7215'D.F., 7216' KB				7204' GL			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
3220'		3191'				X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
3016' - 3050' Pictured Cliffs						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
IES & CNL - FDL						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8		24.0		143'		12-1/4	
4-1/2		10.50		3211'		7-7/8	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
None							
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
3016'-3018') One Shot Per Foot				DEPTH INTERVAL (MD)			
3020'-3024')				3016'-3050'			
3026'-3030')				AMOUNT AND KIND OF MATERIAL USED			
3031'-3035')				55,000 gallons water			
3044'-3050')				55,000 lbs. sand			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Waiting on Pipeline		Flowing				Shut-In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
8/21/78		3		3/4"			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
72 psig		460 psig				3/4 - 1.039	
						CAOF- 1,395	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Vented SIPT - 850 psig C-860 psig							
35. LIST OF ATTACHMENTS							
FOR: Odessa Natural Corporation							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Ewell N. Walsh</i>				President, Walsh Engineering & Prod. Corp.			
Ewell N. Walsh, P.E.				DATE 8/30/78			

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

RECEIVED
AUG 31 1978
U.S. GEOLOGICAL SURVEY

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: "Sacks 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 USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	2614'	2614'
				Kirtland	2760'	2760'
				Fruitland	2923'	2923'
				Pictured Cliffs	3015'	3015'
				Lewis	3147'	3147'