

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEXICO GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See Instructions on Reverse Side)

Form approved
Budget Bureau No. 42-10

LEASE DESIGNATION AND SERIAL NO.

NM-17087 17607

U.S. INDIAN ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Querecho Federal

WELL NO.

1

FIELD AND POOL OR WILDCAT

Undes.
Querecho Plains Upper
B.S.

13. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

Sec. 23, T18S, R32E

12. COUNTY OR PARISH

15. STATE

Lea

New Mexico

19. ELEV. CASINGHEAD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DEY ☐ Other ☐b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPERFORATION ☐ PLUG BACK ☐ LIFT LIFT ☐ Other ☐

2. NAME OF OPERATOR

Marshall & Winston, Inc.

3. ADDRESS OF OPERATOR

310 West - #10 Desta Dr., Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 610' FSL & 760' FWL, Sec. 23, T18S, R32E

At top prod. interval reported below

At total depth

14. API NO.

DATE INSIDED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPLETION (Ready to prod.)

18. ELEVATIONS (WT. REF. RT. GR. ETC.)

19. ELEV. CASINGHEAD

12/31/85

1/27/86

2/15/86

KB = 3780.8'

GL=3765.3

20. TOTAL DEPTH, MD & TVD

9580'

21. PLUG BACK T.D., MD & TVD

8743'

22. IF MULTIPLE COMPLETIONS, HOW MANY?

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

8414-16'

8428-30'

8441-47'

8419-24'

8435-37'

Bone Spring Sand

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction & Compensated Density-Dual Spaced Neutron

27. WAS WELL COBED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68#	354'	17 1/2"	385 sxs.	None
8 5/8"	24, 28 & 32#	3047'	11"	1475 sxs.	None
5 1/2"	17# & 20#	8565'	7 7/8"	1250 sxs.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 7/8"	8314'	8314'

31. PERFORATION RECORD (Interval, size and number)

8414-16', 1/2", 4 8441-47', 1/2", 14
8419-24', 1/2", 10
8428-30', 1/2", 4
8435-37', 1/2", 4

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8414-37'	2000 gals 15% MCA
8441-47'	500 gals 15% MCA
8414-47'	30,000 gals, gelled wtr & 57,000# 20/40 Sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
2/15/86		Flow					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
2/17/86	24	8/64	→	218	66	40	559	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
115	0	→	-	→	→	39.5		
39. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Fuel & Vented - Waiting on P/L hookup.

35. LIST OF ATTACHMENTS

TEST WITNESSED BY

Charley Pappas

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Charles R. Chaulk

TITLE Vice President

DATE 2/18/86

*(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 assigned 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 logs, 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 33.

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.)

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37. SUMMARY OF PRODUCTIONS 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 MARKS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	NEAR DEPTH TOP THICKNESS DEPTH
ST #1 Cherry Canyon	5185	5230	No Cushion. Recovery=60' drlg fluid IF=30 min 39-39 psi, ISI=60 min, 156 psi, FF=60 min, 39-39 psi, FSI=60 min 98 psi. SC=2250 cc wtr w/trace oil.	Anhydrite Salt	1121' 1250'
ST #2 Delaware Sand	5588	5610	No Cush: Rec: Tr. gas, 30' drlg fluid 20' oil w/gas & 87' drlg fluid w/gas IF=30 min, 78-59 psi, ISI=60 min, 2402 psi, FF=60 min, 117-78 psi, FSI 120 min, 2344 psi. S.C.=300 cc oil, 1500 cc drlg fluid, 0.1 ft3/gas.	Dase Salt Yates Seven Rivers Queen	2500' 2680' 2930' 3900'
ST #3 Lower Delaware	6615	6635	No Cush: Rec: 730' drlg fluid. IF=30 min, 79-158 psi, ISI=60 min, 2893 psi FF=60 min, 237-356 psi, FSI=120 min, 2833 psi. SC=100 cc oil, 1400 cc drlg mud.	Penrose Porosity Bell Canyon	4153' 4763'
ST #4 Bone Springs	7143	7155	No Cush: Rec: 884' gas, 20' oil, 60' drlg fluid, IF=30 min, 59-40 psi, ISI= 60 min, 2913 psi, FF=60 min, 79-59 psi, FSI=120 min, 237-356 psi, FSI=120 min, 2833 psi. SC=100 cc oil, 1400 cc drlg mud.	Bone Spring 1st Bone Spring	6847' 8320'

SEE ATTACHED FOR

DST #5

oil, 500 cc drlg fluid.