

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 0471842

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "CZ"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Richard Knob

11. SEC. T. R. M., OR BLOCK AND SURVEY
OR AREA

Sec. 8-18S-25E

Unit B NMPM

12. COUNTY OR
PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL ☐GAS WELL ☒DRY ☐

Other

b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
REPAIR ☐

Other

RECEIVED

2. NAME OF OPERATOR

Yates Petroleum Corporation.

3. ADDRESS OF OPERATOR

207 South 4th Street-Artesia, NM 88210

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

At surface 660' FNL & 1980' FNL of Sec. 8-18S-25E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

DEC 17 1974

15. DATE SPUNDED

12-29-74

16. DATE T.D. REACHED

2-22-74

17. DATE COMPL. (Ready to prod.)

5-4-74

18. ELEVATIONS (DF, RKE, RT, GR, ETC.)*

3595 GR; 3612' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8671'

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

8535'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

314-8671'

ROTARY TOOLS

CABLE TOOLS

0-314'

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

6554-6576' Cisco(Upper) Completion. This well is fully completed

in Annulus. This well is fully completed

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterlog, CNL-FDC

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT CURED
12-3/4"	30#	257'	17 1/2"	20 SX	
8-5/8"	28#	1111'	12"	950 SX	
4 1/2"	10.5&11.6#	8535'	7-7/8"	450 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"		8245'
					X-Over		6500'

31. PERFORATION RECORD (Interval, size and number)

6554-6576' 48-.42" jets

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6554-6576'	11000g 15% DS-30 acid & CO2.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5-4-74		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-7-74	4	3/4	→	1.6	192	None	119800
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
68#	-	→	9.6	1150	None	43.6	

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

TEST WITNESSED BY

Don Weater, HS Apple

35. LIST OF ATTACHMENTS

Deviation Survey & DST's

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

SIGNED

[Signature]

TITLE

Engineer

DATE

12-16-74

*(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: "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 POROSITY 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
			DST's ATTACHED	San Andres	686	
				Abo	4042	
				Cisco	6437	
				Lower Canyon	7327	
				Strawn	7833	
				Morrow Clastics	8328	
				Chester	8513	
				Miss. ls.	8639	

DRILL STEM TESTS

Yates Petroleum Corporation - Federal "CZ" No. 1 Section 8-18S-25E,
Eddy County, New Mexico

DST #1 - 6555-6655' (Cisco) - TO 20", SI 84", OP 60", SI 120"
OP w/fair blow, increasing to strong blow in 2". GTS 20". Re-opened
GTS immediately increasing to strong blow and stabilized. 100# for 45"
on 1/4" choke (155 MCFPD est.). Recovery: - 386' SGCM. Sampler: - 280#
2100 cc mud and no gas. Pressures: - HP 3106-2978; IFP 171-185; FFP
142-284; ISIP 2271; FSIP 2271 and increasing.

DST #2 - 7954-8050 - TO 15"; SI 60"; OP 90"; SI 180". Op w/good
blow, steady throughout. Re-opened w/good blow, increasing. 2.6# on 1/8".
choke in 90". Recovered: 330' GCDM. No oil. Sampler: 425#, 7 cfg, no
fluid. BHT 142 deg. Pressures: - HP 3995-3995; IFP 131-131; ISIP 437;
FFP 175-218; FSIP 481.

DST #3 - 8284-8671' - TO 20", SI 80", TO 6 hrs. SI 9 hrs. Op w/weak
blow increasing to fair blow, re-op w/weak blow increasing to 1½# on
1/8" choke throughout 1st hr. Increasing 10# on 1/8" in 65". GTS 75"
w/35# on 1/4" choke, increased to 350# on 1/4" choke after 6 hrs.
(535 MCF/D) increasing. Recovered: - 778' HGCM, no condensate. BHT
152 deg. Sampler: - 800 psi, 4.6 cu. ft. gas - no fluid.
Pressures: - HP 4043-3975; IFP 984-1399; FFP 843-984; ISIP 2480;
FSIP 3014.

NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Yates Petroleum Corporation ADDRESS 207 South 4th Street, Artesia, New Mexico 88211
 FIELD Richard Knob LEASE Federal "CZ" WELL NO. 1
 LOCATION 660 FNL and 1980 FEL Section 8, T-18-S, R-25-E, Eddy County, New Mexico

DEVIATION RECORD

<u>DEPTH</u>	<u>DEGREES</u>	<u>DEPTH</u>	<u>DEGREES</u>
680	1/2	5,942	3/4
1,010	1	6,412	1
1,510	1/4	6,655	1/2
2,012	1/2	7,131	3/4
2,548	1/2	7,580	1
3,016	3/4	7,931	1-1/2
3,550	3/4	8,050	1-1/2
4,400	1/2	8,363	1-1/2
4,900	1	8,473	1-3/4
5,373	1	8,665	1-1/2

Certification of personal knowledge of Deviation Record:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information is true and complete.

J.E.R. Sheeler
 Signature

Ard Drilling Company
 Company

STATE OF TEXAS
 COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared J.E.R. Sheeler, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is acting at the direction and on behalf of the operator of the well identified in this instrument and that such well was not intentionally deviated from the vertical.

J.E.R. Sheeler
 Signature

General Manager - Ard Drilling Company
 Title

Sworn and Subscribed to before me, this the 12th day of March, 19 74

Notary Public in and for Midland County, Texas.

My Commission Expires:

6-1-75