

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-18821

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Haystack Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat 71

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

Sec. 26-5S-26E

12. COUNTY OR PARISH

Chaves

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.

RESVR.

Other

2. NAME OF OPERATOR

Read &amp; Stevens, Inc. ✓

3. ADDRESS OF OPERATOR

P.O. Box 1518, Roswell, NM 88201

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

At surface

1980' FSL &amp; 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

N.M.O.C.D. OFFICE

12. COUNTY OR PARISH

Chaves

13. STATE

NM

15. DATE SPUDDED

5-7-81

16. DATE T.D. REACHED

5-30-81

17. DATE COMPL. (Ready to prod.)

7-25-81 RA

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3986.4' GR

19. ELEV. CASINGHEAD

-

20. TOTAL DEPTH, MD &amp; TVD

6810'

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

6746'

22. IF MULTIPLE COMPL., HOW MANY\*

-

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-6810'

-

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

NONE

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

FDL, GRL, DLL, MLL

27. WAS WELL CORED

Yes

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	30'	17 1/2"	5yds Ready Mix	-
8 5/8"	24#	1453'	11"	550sx HLC, 5# gilsonite	- "C" v
				1# flocele, 2% CC, 150sx Class 2%CaC	
4 1/2"	10.5#	6810'	7 7/8"	1000sx Class "C", 50/50poz, .5% CFR-2,	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6666.54' RKB	6453' SN

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHMENT

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

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

SEE ATTACHMENT

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
None		-				-	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
-	-	-	→	-	-	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	→	-	-	-	-	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Deviation survey, 2 copies of logs, core analysis

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

SIGNED

B. J. Stables

TITLE Drilling &amp; Production Manager

DATE 8-12-81

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

ROSWELL, NEW MEXICO

# 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:** "Sack's 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 PRESS. TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Abo	4480'	5000'	Sandstone, water	San Andres	1215'
				Tubb	3812'
				Abo	4480'
Montoya	6536'	6627'	Dolomite, water	Wolfcamp	5192'
			Cored: 6559'-6568', rec 9'	Cisco	5806'
				Penn Clastics	6056'
				Mississippian	6343'
				Montoya	6536'
				Granite	6626'

North Haystack Federal #2

Perforation Record

6585'-6608' 2 shots/ft, 23'  
46 holes, .5" diam.

Squeeze perfs below 6570'

6536'-6548' 4 shots/ft, 12'  
48 holes, .5" diam.

6548'-6562' 2 shots/ft, 14'  
28 holes, .38" diam.

4972'-4982' 2 shots/ft, 10'  
20 holes, .34" diam.

4712'-4728' 2 shots/ft, 16'  
32 holes, .34" diam.

4622'-4631' 2 shots/ft, 9'  
18 holes, .34" diam.

4647'-4658' 2 shots/ft, 11'  
22 holes, .34" diam.

6628'-6642' 2 shots/ft, 14'  
28 holes, .34" diam.

6398'-6406' 2 shots/ft, 8'  
16 holes, .34" diam.

5870'-5880' 2 shots/ft, 10'  
20 holes, .31" diam.

5448'-5456' 2 shots/ft, 8'  
16 holes, .38" diam.

5484'-5486' 2 shots/ft, 2'  
4 holes, .38" diam.

Acid, Shot, Fracture, Cement Squeeze, Etc

500 gals 15% MCA acid. Pump 1500 gals 15% MCA acid w/ 60-7/8" ballsealers.

250 sx Class "H" cem w/ .3% Halad-9, squeeze to 2500psi, pull up & reverse out excess cement.

1000 gals 15% MCA acid, would not take fluid, reverse out.

1000 gals 15% MCA acid w/ 35-7/8" ballsealers.

1000 gals 7½% morrowflo acid w/ballsealers.

1500 gals 7½% morrowflo acid w/ 1000 SCF N₂/BBL.

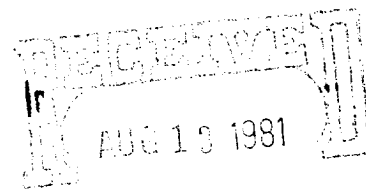
2000 gals 7½% morrowflo acid w/ 61,000 SCF N₂ & 60-7/8" ballsealers.

6 BBL acid, reversed out 4 BBLs.

1000 gals 15% NE acid w/ 25 ballsealers.

1000 gals 15% NE acid w/ 25-7/8" ballsealerd.

1000 gals 15% NE acid w/ 30-7/8" ballsealers.



OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

WELL NAME & NUMBER North Haystack #2

RECEIVED

LOCATION T-5-S, R-26-E, Sec. 26

JUN 28 1981

(Give Unit, Section, Township and Range)

OPERATOR Read & Stevens, P.O. Box 1518, Roswell, New Mexico 88201

O. C. D.  
ARTESIA, OFFICE

DRILLING CONTRACTOR Kenai Drilling of Texas, Inc., P.O. Box 6725, Odessa, Texas 79762

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
353 1/2	6559 1		
931 1/2	6810 4		
1453 1/4			
1980 3/4			
2495 1/4			
2985 1/2			
3277 1			
3850 1/2			
4385 1			
4612 1/4			
5350 1/2			
5959 1			
6486 1			

Drilling Contractor Kenai Drilling of Texas, Inc.

By

Robert A. Smith  
Robert A. Smith, Adm. & Eng. Mgr.

Subscribed and sworn to before me this 19th day of June, 19 81

Barbara J. LaGrone  
Notary Public Barbara J. LaGrone

My Commission Expires 8-22-81

Ector

County Texas