

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105  
Revised 1-1-65

5a. Indicate Type of Lease  
State ☐ Fee ☒  
State Oil & Gas Lease No.

1a. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER \_\_\_\_\_  
b. TYPE OF COMPLETION  
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER \_\_\_\_\_

7. Unit Agreement Name

8. Farm or Lease Name

Yates-Hornbaker

9. Well No.

1

10. Field and Pool, or Wildcat

Undesignated

2. Name of Operator

David Fasken

3. Address of Operator

608 First National Bank Bldg., Midland, Texas 79701

4. Location of Well

UNIT LETTER H LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM

East LINE OF SEC. 25 TWP. 18-S RGE. 25-E NMPM

12. County

Eddy

15. Date Spudded 3-15-72 16. Date T.D. Reached 4-7-72 17. Date Compl. (Ready to Prod.) 5-2-72 18. Elevations (DF, RKB, RT, GR, etc.) 3459 Gr. 19. Elev. Casinghead 3459

20. Depth 9150 21. Plug Back T.D. 9070 Side Track 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name None 25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run 27. Was Well Cored No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	477	17 1/2"	400 sxs. Howco-Lite + 100 sxs.	Class C -0-
8-5/8"	24	1207	12 1/2"	400 sxs. Howco-Lite + 200 sxs.	Class C -0-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

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

1 - Copy of electrical surveys and copy of D.S.T.'s.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED R. H. Angevine

TITLE Agent

DATE 7-21-72

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or reworked well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state lands, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Ashy _____	T. Canyon _____ 7596	T. Ojo Alamo _____	T. Penn. "B" _____
T. Sal. _____	T. Strawn _____ 8110	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____ 8628	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ Surface	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 30	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 305	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 764	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____ 2146	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinobry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 4368	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 5710	T. Morrow _____ 8746	T. Chinle _____	T. _____
T. Penn. _____ 6763	T. Chester _____ 9120	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	7 Rivers				
30	305	275	Queen				
305	765	460	Grayburg				
765	2146	1381	San Andres				
2146	4368	2222	Glorieta				
4368	5710	658	Abo				
5710	6763	1053	Wolfcamp				
6763	7596	833	Penn				
7596	8110	514	Canyon				
8110	8628	518	Strawn				
8628	8746	118	Atoka				
8746	9120	374	Morrow				
9120			Chester				

RECEIVED

JUL 25 1972

O. C. C.  
ARTESIA, OFFICE

Yates-Hornbaker # 1

Drill Stem Test Summary

- 4-5 - Drld. to 8931', pulled drill pipe for DST # 1. Strapped drill pipe, corrected T.D. 8948'. Vis 77, MW 8.7, WL 10.2, FC 2/32. Dev.  $\frac{1}{4}$  deg. @ 8948'. DST # 1, 8816' - 8948'. Tool open initially 15 mins., weak blow increasing to strong blow, S.I. 1 hr., reopened, GTS in 3 mins., after 35 mins. gas flow, 3 psig on  $\frac{1}{2}$ " ck. Continuing to test.
- 4-6 - DST # 1 cont. Pressure decreased to 1 psig, gas volume TSTM. S.I. 2 hrs., recovered 180' drlg. mud, sampler recovery 12.5 cu. ft. gas @ 2500 psig, no fluid in sampler. IHP 4308, Preflow 96, IFP 115, FFP 115, FSIP 2927, FHP 4191. Picked up bit # 8, J-8, drld. from 8948' to 9018', made trip for bit # 9, J-8, now drlg. at 9027' in lime, shale, and sand. MW 8.7, Vis 80, WL 7.8, FC 2/32.
- 128.97 N + 15.73 W  
9.54 yd/sec.*
- 4-28 - *PB & side track from 7300-8070*  
T.D. 8710', circulated samples from drlg. break 8676-83', conditioned hole for DST #2 from 8669' to 8710'. Opened tool, packer seat failed, pulled test tool & packer out of hole. Back in hole w/bit to condition for rerun of DST #2, 8653'-8710'. MW 8.7, Vis 45, WL 14, FC 2/32.
- 4-29 - DST #3, 8657-8710', seated packers & opened tool, packer seat failed, pulled test tools & packers, cut off drilling line. T.D. 8758' in lime & shale this A.M., made 48', bit # 20 HTC EP 651, in @ 8710', 48' in 7-3/4 hrs. Mud wt. 8.8, Vis 44, WL 19, FC 3/32, Ph 9.5. Washed out 60' of cavings to get back on bottom w/bit, now drilling 7 ft./hr.

4-30-72 - T.D. 8894' in lime, sand & shale, drld. 136' past 24 hrs. Bit # 20 in hole. Vis 56, MW 8.7, WL 6, FC 2/32, added starch. At 8874', 20 deg. S - 49 deg. E, true vertical depth 8822.82'. At 8874' bottom of hole is 268.38' E & 46.03' S.

5-1 - T.D. 9025' in lime, sand & shale. Circulated for DST # 4, MW 8.8, Vis 55, WL 6.4, added 60 bbls. diesel oil to mud system.

5-2 - At 9025', 21-3/4 deg. S - 49 deg. E, true vertical depth 8962.13', 310.81' E & 82.82'S from surface location. DST # 4, 8863'-9025'. Tool open on 1/2" ck. w/strong blow, GTS in 9 1/2 mins.

Time	PSIG	MCF
10 mins.	260	402
15	350	535
20	395	600
25	421	640
30	430	652
35	421	640
40	395	600
49	Mud to surface.	
53	1/4" ck. plugged - switched to 1/2" ck.	

Time	PSIG	Flow
30 mins.	440-420	Gas & mud cut formation water
50	330-350	Gas & formation water
75	330-310	Gas & formation water
105	270-280	Gas & formation water
120	240	Gas & formation water

Shut in 3 hrs., pulled test tool, recovered 5650' formation water, 34,000 PPM Chloride Ion. Sampler recovery - 39.1 cu. ft. gas @ 3200 psig- IHP 4387, IFP 2038, flow pressure on 1/4" ck. increased to 2965, opened on 1/2" ck. with flow pressure 2927, FFP on 1/4" ck. - 2985. Tool open 171 mins. FSIP 3432 in 180 mins., FHP 4250.

5-3 - Drilled to T.D. 9070' in lime & shale, circulated 3 hrs. conditioning hole. Rigged up Schlumberger and ran BHC Sonic Gamma Ray, Dual Laterolog & Dual Induction Laterolog. MW 8.8, Vis 60, WL 8.5, FC 1/32.

5-4 - Went in hole, circulated and conditioned mud, no trip gas. Ran Lynes inflatable straddle tool for DST # 5, 8954'-8982'. Tool open initially w/strong blow on 1/2" ck., GTS in 6 mins. @ 70 psi, pressure increased to 78 psi in 20 mins., decreased to 10 psi in 2 hrs. Mud to surface in 2 hrs. 2 mins., water to surface in 2 hrs. 5 mins., flowing water and gas for 3 hrs. 5 mins., surface pressure varying from 60 to 140# on 1" ck. & 1/2" ck. Still flowing, will shut in after 6 hrs. total time.

- 5-5-72 - (DST # 5, 8954'-8982' cont.) Flowed gas and water 2 hrs. 95 mins. on 1" & ½" ck., both chokes were open at the same time. Surface pressure varied from 60 to 180# flowing by heads, est. rate 20 B.W./hr. & approx. 1000 MCF/D. Shut in 2 hrs., rec. 10' mud cut condensate, 2700' gas cut water, 34,600 PPMCl, sampler recovery @ 710 psi - 2475 cc water, .3 cu. ft. gas, BHT 157 deg., IHP 4366, did not take initial shut in, IFP 479, max. F.P. 2314, FFP 1545, FSIP 3506, stabilized, FHP 4366. Ran straddle packer DST # 6, 8988'-9016'. Tool open on ½" ck. w/strong blow, GTS in 9 mins., 30 psig, 240 MCF/D. In 20 mins., 20 psi, 200 MCF/D, in 1 hr. 2 psi, TSTM MCF/D, in 2 hrs. -0- psi, TSTM MCF/D. Shut in 4 hrs., rec. 90' mud cut water, 5276' salt water and 36,000 PPMCl. Now breaking down test tool.
- 5-6 - T.D. 9070'. DST # 6 (straddle test) 8988'-9016' continued. IHP 4418, IFP 429, FFP 2392, FSIP 3584 (4 hrs.), FHP - 4366. Ran straddle test DST # 7, 8674'-8702', tool open initially w/weak blow. Very weak blow for 1 hr. Shut in 1 hr., released packer, no weight increase, moved up hole, ran DST # 8, 8314'-8342', tool opened for 15 mins. w/fair blow, shut in 1 hr., reopened w/fair blow of air for 2 hrs., shut in 2 hrs. 45 mins. Pulled loose, reset packer for DST # 9, 8936'-8964'.

	Time Open	Ck.	Press.	Gas Rate
1:10 a.m. Tool Open		½"		
1:14½ GTS	4½ mins.	½"		
1:15 Flowing	5 mins.	½"	90	640
1:25 Flowing	25 mins.	½"	150	1020
1:45 Flowing	35 mins.	½"	188	1250
2:00 Flowing	50 mins.	½"	180	1210
2:10 Flowing	1 hr.	½"	170	1140
3:10 Flowing	2 hrs.	½"	130	890
4:10 Flowing	3 hrs.	½"	100	710
5:10 Flowing	4 hrs.	½"	75	550
6:10 Flowing	5 hrs.	½"	55	425
6:30 Mud To Surface		½"	40	
7:20 Mud & Gas	6 hrs. 10 mins.	½"	100-120	
7:30 For. Water & Gas	6 hrs. 20 mins.	½"	140-160	
7:50 For. Water & Gas	6 hrs. 40 mins.	½"	170-180	
8:10 For. Water & Gas	7 hrs.	½"	170-180	
8:10 Shut in for 2 hrs. 40 mins., continued to unload water				
10:50 Pulled loose, recovered 2600' formation water				

5-6-72 - Pressure chart as follows for DST # 7, 8 & 9:

<u>DST # 7</u>	<u>DST # 8</u>	<u>DST # 9</u>
IHP 4247	IHP 4202	IHP 4382
IFP 85	Preflow 42	IFP 299
FFP 85	ISIP 705 (1 hr.)	FFP Failed to record
FSIP 918	IFP 64	FSIP Failed to record
FHP 4247	FFP 64	FHP 4382
	FHP 4202	

- 5-7 - T.D. 9070'. Went in hole w/bit, conditioned hole and mud, pulled out, laid down drill collars and ran back open ended. Spotted cement plug # 1, 9050' to 8850', using 45 sxs. Incor Neat mixed 14.8#/gal., pulling drill pipe to set plug # 2.
- 5-8 - Set cement plug # 2, 7600' to 7500', using 25 sxs. Incor Neat mixed 14.8#/gal. Set plug # 3, 5500' to 5200', using 100 sxs. class "H" cement with  $\frac{1}{2}$  of 1% CFR-2, 2#/sx. salt, 5#/sx. sand, mixed 16#/gal. Set plug # 4, 3600' to 3500' using 25 sxs. Incor Neat mixed 14.8#/gal., set plug # 5, 1700' to 1600'. Rig released and well released to Yates Petroleum Corp. Final Report.

RECEIVED

AUG 15 1972

# WHIPSTOCK INC.

MIDLAND, TEXAS 79702

D. C. C.  
ARTESIA, OFFICE

STATE OF Texas  
COUNTY OF Midland

I, Glen Harbert, in the employ of the Directional Drilling Department of Whipstock, Inc., did on the days of April 12, 1972, thru April 30, 1972, conduct or supervise the taking of a Single-Shot Directional Survey by the method of Magnetic Oriented Survey from a depth of 7300 feet to 9025 feet, with records of inclination being taken at approximately every 90 feet.

This survey was conducted at the request of David Fasken,  
for their Yates Hornbaker, Well No. 1,  
survey,

Eddy, County, State of New Mexico, in the  
Field.

I certify that this is a true and correct report of such survey and that it affords a true and correct representation of our findings as to the nature and conditions of the well at the time the survey was made.

Glen Harbert  
Glen Harbert

STATE OF Texas  
COUNTY OF Midland

Before me the undersigned authority, on this day personally appeared Glen Harbert, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that the same is a true and correct statement of facts therein recited.

Subscribed and sworn to before me this 30 th day of April, 1972.

James B Coats, Jr. James B. Coats Jr

Notary Public in and for Midland County, Texas



WHIPSTOCK, INC...

... a growing force in directional drilling

COMPANY: DAVID FASKEN

LOCATION: YATES HORNBAKER #1

DATE: 4-30-72

COUNTY : EDDY, COUNTY, N.M.

PAGE \_\_\_\_ of \_\_\_\_

MEAS. DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL DEPTH	COURSE DEVIATION	DIRECTION DEVIATION	TOTAL COORDINATES			
						NORTH	SOUTH	EAST	WEST
COORDINATES	AT 7300	MEASURED DEPTH	TAKEN FROM	SPEERY SUN	SURVEY				
7300	30	1° 60'	7297.20	.52	S 71° E	131.77			31.22
7330	55	3° 15'	7327.20	3.12	S 71° E	130.58			30.73
7385	61	3° 45'	7382.11	3.99	S 69° E	129.15			27.78
7446	65	5° 15'	7442.98	5.95	S 73° E	127.41			24.06
7511	95	8° 15'	7506.71	13.63	S 74° E	123.66			18.37
7606	95	8° 30'	7601.73	14.64	S 77° E	120.50		8.42	
7701	95	9° 45'	7695.69	10.50	S 75° E	117.78		30.46	
7763	62	11° 00'	7756.79	12.02	S 82° E	116.11		18.56	
7826	63	11° 45'	7818.63	20.75	S 87° E	115.02		51.18	
7920	94	12° 15'	7910.31	13.58	S 81° E	112.90		64.59	
7984	20	11° 30'	7992.45	3.99	S 73° E	111.73		68.41	
8004	29	11° 15'	8020.89	5.66	S 57° E	108.65		73.15	
8033	107	12° 30'	8125.35	23.16	S 52° E	94.39		91.40	
8140	95	14° 00'	8217.53	22.98	S 50° E	79.62		109.00	
8235	126	17° 00'	8338.02	36.84	S 52° E	56.94		138.03	
8361	95	18° 45'	8427.98	30.54	S 57° E	40.31		168.64	
8456	63	20° 00'	8487.18	21.55	S 55° E	28.57		181.71	
8519	71	20° 00'	8553.90	24.28	S 51° E	14.64		201.60	
8590	120	18° 15'	8667.86	37.58	S 49° E		9.01	230.80	
8710	164	20° 00'	8821.97	56.69	S 49° E		46.11	273.58	
8874	151	21° 45'	8962.22	55.96	S 49° E		82.82	315.81	
9025									
CLOSURE. 326.51'				S 75° 18'	E				

COORDINATE SHEET