

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-E355.5.

## 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. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR

313 Washington, S. E., Albuquerque, NM - 87108

4. LOCATION OF WELL (Report location clearly and in accordance with well state requirements)

At surface

Unit "O" 775' FSL and 2175' FEL JUL 12 1982

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO

Jicarilla 70

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 70

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

S. Lindrith- Dakota (GAC)

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

Sec. 34 - T24N, R4W

12. COUNTY OR PARISH

13. STATE

NM

Rio Arriba

15. ELEV. CASINGHEAD

15. DATE SPUDDED 5-13-82 16. DATE T.D. REACHED 5-27-82 17. DATE COMPL. (Ready to prod.) 7-1-82 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 7108 GR 7120 KB 7109 GR

20. TOTAL DEPTH, MD &amp; TVD 7450 KB 21. PLUG, BACK T.D., MD &amp; TVD 7398 KB 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 0-7450' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Dakota "D" 7295-7348 Greenhorn 7065-7120  
Dakota "A" 7149-7172 Tocito 6818-6875

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction - Density logs

CASING RECORD (Report all strings set in well)					AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	REMARKS	
8 5/8"	23	225' KB	9 5/8"	225' SXS	None
4 1/2"	11.6	7442 KB	7 7/8"	1165 SXS	

LINER RECORD					TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
						7267' KB

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Dakota "D" - 7295, 7328, 7330, 7334, 7336, 7340, 7346, 7348 - 4 SPF		DEPTH INTERVAL (MD)	
Dakota "A" - 7149, 7160, 7162, 7164, 7169, 7172 - 4 SPF		AMOUNT AND KIND OF MATERIAL USED	
Greenhorn - 7065, 7100, 7106, 7109, 7112, 7120 - 1 SPF		SEE ATTACHED WELL HISTORY	
Tocito - 6818, 6863, 6864, 6867, 6872, 6875 - 4 SPF			

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-1-82		Swabbing				Producing - flow	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-1-82	24	2"	→	150	230	15	1533
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
60	1025	→	150	230	15	43	

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

Vented during test, Hooked up to temp. Salesline 6/28/82

TEST WITNESSED BY  
Andy Birdsell

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

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

SIGNED

Ray M. Cary

President

DATE

July 6, 1982

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

FARMINGTON DISTRICT  
Bernier

# 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.), formations 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

DESCRIPTION, CONTENTS, ETC.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo	2455	2636	Sand - wet			
P. C.	2916	3024	Sd w/ sh. - poss. gas			
Chacra	3285	3905	Shale w/ sd strks			
Cliff House	4484	4568	Sd w/ sh strks - Wet			
Pt. Lookout	4989	5197	Sdy w/ coal and sh. strks			
Gallup	6110	6344	Shaley w/ sd strks. poss oil and gas			
Tocito	6746	6876	Sd w/ sh strks; oil show			
Greenhorn	7064	7124	Limy sd hd; shows			
Dakota "A"	7146	7191	Sd w/ sh strks; oil and gas			
Dakota "D"	7286	7368	Sd w/ sh strks; oil and gas			
Burro Canyon	7389	-	Sd - Wet			

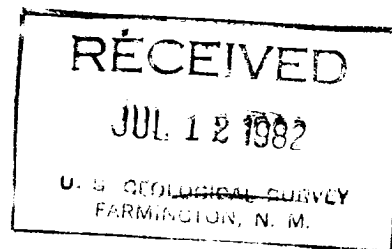


# CHACE OIL COMPANY, INC.

313 Washington S.E.

Albuquerque, New Mexico 87108

(505) 266-5562



## WELL HISTORY

NAME OF WELL: Jicarilla 70-15  
LOCATION: Unit "O" - 775 FSL and 2175 FEL  
Section 34, T24N-R4W, Rio Arriba County, NM  
ELEVATION: 7108' GR  
PROPOSED DEPTH: 7390' GR

<u>ESTIMATED FORMATION TOPS:</u>		
	Ojo	2460'
	Pictured Cliffs	2910'
	Chacra	3275'
	Cliffhouse	4475'
	Point Lookout	4970'
	Gallup	6100'
	Greenhorn	7010'
	Dakota "A"	7100'
	Dakota "D"	7240'

3/30/82 Application submitted.  
5/3/82 Application approved.  
5/6/82 Road and pad construction commenced.  
5/12/82 Arapahoe Drilling Company. Rig moving in.  
5/13/82 Arapahoe Drilling Company says nothing to report.  
Haven't spudded yet.  
5/14/82 Moved in and rigged up Arapahoe Drilling Company rig #11.  
Spudded at 1:00 P. M. on May 13, 1982. Ran 5 joints of  
23# 8 5/8" casing. 210.60 feet set at 225' KB. Woodco  
cemented with 225 sxs Class B cement, with 1/4# Flowseal.  
3% calcium chloride per sack. Circulated 2 barrels of  
cement to surface. Plugged down at 5:30 P. M. on  
May 13, 1982.  
Drilled out from under surface at 6:00 A. M., May 14, 1982.  
Present operation is drilling at 318'.

Phoned in by Ernestine at Arapahoe Drilling: Drilling cement depth 225. Formation sand. Drill collar #6, 6 1/16 x 2 1/4. Weight on bit is all. Present drilling rate is 0. Mud viscosity is water. Mud additives 30 gel, 1 lime. Deviation record is 1/4 of a degree at 225'. Bit record is run #1, size 12 1/4, type OSG-3. Footage 225'. Hours 2 3/4.

2 hours rig idle - 4 hours rig up - 1 hour drill rat and mouse hole - 2 3/4 hours drilling surface - 1 1/4 hours trip out of hole to run 8 5/8" casing - 1/2 hour with Woodco - 11 hours wait on cement - 1/2 hour pressure test, 600#, held okay - 1/2 hour trip in hole - 1/2 hour drilling cement casing.

5/15/82 Day #2. Present operation is drilling, depth 2256'. 24 hour footage 2031'. Rotary rpm 60. Weight on bit is 40,000. Drilling rate 65' per hour. Pump on hole liner size 5 1/2 x 15. Pressure 1,000#. 60 strokes per minute. Mud vis is 35 MW is 9.0 WL is 8.0. 3% oil.  
Deviation surveys: 532' depth - 1/4 degree  
1088' depth - 1/4 degree  
1581' depth - 1/2 degree  
2136' depth - 1/2 degree

Bit #2, size 7 7/8", Type J-22 2031' - 22 1/2 hours  
1/4 hour RS - operate BOP  
1 1/4 hours - surveys  
22 1/2 hours - drilling

5/16/82 Day #3. Operation drilling - depth 3490'. 24 hour progress 1234. Rotary rpm 60. Weight on bit is 40,000. Drilling 30 feet per hour. Pump on hole liner size is 5 1/2 x 15. Pressure 1,000#. 57 strokes per minute. Mud vis 36 - WT 9.0 - WL 6.2. 3% oil.  
Deviation surveys: 2659' depth - 1/2 degree  
3120' depth - 1/2 degree

Bit #2, size 7 7/8", Type J-22. 3265' - 45 3/4 hours  
1/4 hour RS - operate BOP  
1/2 hour - survey  
23 1/4 hours - drilling

5/17/82 Day #4. Operation drilling. Depth 4030'. 24 hour progress 540'. Rotary rpm 60. Weight on bit is 40,000. Drilling 30' per hour. Pump on hole liner size 5 1/2 x 15. Pressure 1,000#. 54 strokes per minute. Mud vis is 35 WT is 9.0 WL is 8.0. 3% oil.  
Deviation surveys: 3552' depth - 3/4 degree  
4019' depth - 1/2 degree

Bit #2, size 7 7/8", Type J-22 3327' at 48 1/4 hours

Bit #3 - size 7 7/8", Type J-22 - 478' at 16 1/2 hours  
18 3/4 hours - drilling  
2 1/2 hours - trip for bit  
1/2 hour survey  
1/4 hour RS - Operate BOP  
2 hours - reaming 120' to bottom

- 5/18/82 Day #5. Operation drilling. Depth - 4575'. 24 hour footage is 545'. Rotary rpm 60. Weight on bit is 40,000. Drilling rate 23 feet per hour. Pump on hole liner size is 5 1/2 x 15. Pressure 1,000#. 54 strokes per minute. Mud vis is 41 WT 9.1 WL 8.0 Wallcake 2/32's. Deviation survey: 4513' 3/4 degree Bit #3, 7 7/8", Type J-22. 1223' - 39 hours.
- 23 1/4 hours - drilling  
1/4 hour - RS operate BOP  
1/2 hour - survey
- 5/19/82 Day #6. No accidents. Operation drilling. Depth - 5070'. 24 hour progress 495'. Sand and shale. Drill tolerance - 20 - Size 6 1/16 - Bore 2 1/4 - Weight 55,000 - rpm 60 - Weight on bit 40,000 - Drilling 20' per hour. Pump on hole liner size 5 1/2 x 15. Pressure 1,000#. 54 strokes per minute. Mud vis is 41 - WT is 9.2 - WL is 8.0 - Cake is 2/32's. Mud additives - 7 bnex, 13 starch, 1 1/2 soda ash, 3 caustic, 42 gel, 3 1/2 thinner, 2 cedar, 10 barrels of oil. Run #3. 7 7/8" - J-22 - Hughes bit. Footage - 1518' hours - 62 3/4.
- 23 3/4 hours drilling  
1/4 hour SR BOP  
Butane 75%
- 5/20/82 Day #7. No accidents. Trip and look for hole in pipe. Depth - 5473'. Operation drilling. 24 hour footage is 403'. Sand and shale. Drill collar 20. Size 6 1/16. Bore 2 1/4. Weight 55,000. Rpm 60. Weight on bit is 40,000. Drilling 18' an hour. Pump on hole liner size 5 1/2. Pressure 1,000#. 54 strokes per minute. Mud vis is 40 - WT 9.0 - WL 9.0. Mud additives - 12 starch, 26 gel, 5 1/2 thinner, 4 bnex, 1 preservative, 3 caustic, 1 1/2 soda ash, 10 barrels of oil. Deviation 1 degree at 5129'. Run #3 - 7 7/8" - J-22 - 1921' at 85 1/4 hours.
- 1/2 hour RS and survey  
22 1/2 hours drilling  
1 hour trip and look for hole
- 5/21/82 Day #8. Operation drilling - Depth 5802'. 24 hour footage is 329'. Sand and shale. Drill collar 19. Weight 52,000. 60 rpm. 40,000 weight on bit. Drilling 18' per hour. Pump on hole liner size 5 1/2 x 15. Pressure 1,000#. 54 strokes per minute. Mud vis 41 - WT 9.1 - WL 7.8. Deviation 1 degree at 5473'. Bit #4 - 7 7/8" - J-22. 329' at 16 hours.
- 6 1/2 hours trip and look for hole  
1 1/2 hours lay down 2 drill collars and pick up 1.  
16 hours drilling.

May 22, 1982

Day #9. Operation drilling. Depth - 6092'.  
24 hour footage is 290'. Sand and shale. Rotary  
rpm 60. Weight on bit is 40,000. Drilling rate  
is 20' per hour. Liner size is 5 1/2 x 15.  
Pressure 1,000#. 52 strokes per minute. Mud vis  
is 43 - WT is 9.1 - WL 8.0. LCM 4%. Deviation  
1 degree at 5985'. Bit #4. 7 7/8" - J-22. 619'  
32 1/2 hours.  
9 hours - trip - look for hole in pipe. Laid down 2  
cracked drill collars. Picked up 3 new ones. Tripped  
in hole TIH.  
1 hour - wash 90' to bottom  
13 1/2 hours - drill  
1/2 hour - survey

May 23, 1982

Day #10. Operation drilling. Depth - 6488'. 24 hour  
footage is 396'. Sand and shale. Rotary rpm 60.  
40,000 weight on bit. Drilling rate is 15' per hour.  
Liner size is 5 1/2 x 15. Pressure 1,000#. 54 strokes  
per minute. Mud vis is 47. WT is 9.2 - WL is 8.0.  
Wallcake 2/32's. LCM 5%. No surveys. Bit #4. 7 7/8",  
J-22. 1015' 55 3/4 hours.  
1/4 hour - RS - Check BOP  
23 3/4 hours - drilling

May 24, 1982

Day #11. Operation drilling. Depth 6845'. 24 hour  
footage is 357'. Sand and shale. Rotary rpm 60.  
40,000 weight on bit. Drilling rate is 26' per hour.  
Liner size is 5 1/2 x 15. Pressure 1,000#. 52 strokes  
per minute. Mud vis is 44 - WT 9.1 - WL 10.0 -  
Wallcake 2/32's. LCM 4%. Survey 1 degree at 6574'.  
Bit #4. 7 7/8", J-22. 1372' - 78 1/2 hours.  
23 1/4 hours - Drilling  
1/4 hour - RS - Check BOP  
1/2 hour - survey

May 25, 1982

Day #12. Operation drilling. Depth 7205'. 24 hour  
footage is 360'. Formation - Dakota. Rotary rpm 55.  
40,000 weight on bit. Drilling rate is 11' per hour.  
Liner size is 5 1/2 x 15. Pressure 1,000#. 52 strokes  
per minute. Mud vis is 51. WT is 9.3. WL is 7.2.  
LCM 7%. Bit #4. 7 7/8", J-22. 1832' - 102 1/4 hours.  
23 3/4 hours - drilling  
1/4 hour - RS BOP

May 26, 1982

Day #13. Operation drilling. Depth 7334'. 24 hour  
footage is 129'. Dakota Formation. Rotary rpm 50.  
35,000 weight on bit. Drilling rate is 8' per hour.  
Liner size is 5 1/2 x 15. Pressure 1,000#. 57 strokes  
per minute. Mud vis is 57. WT is 9.5. WL is 6.2.  
LCM is 7%. Deviation record: 3/4 degree at 7208'.  
Bit #4 - 7 7/8" - J-22. 1835' - 102 1/4 hours.  
Bit #5 - 7 7/8" - FP62. 126' - 17 1/4 hours.  
1/4 hour survey  
6 1/2 hour trip for bit - 17 1/4 hours drilling

May 27, 1982

Day #14. Operation: Rigging up to log with Schlumberger Well Services. 7450' TD. 24 hour footage is 116'. Dakota Formation. Rotary 50 rpm. 35,000 weight on bit. Drilling rate 12' per hour. Pump liner size is 5 1/2 x 15. Pressure 1,000#. 55 strokes per minute. Mud vis is 75. WT is 9.5. WL is 7.8. LCM 12%. Bit #5. 7 7/8" - FP62. 242' 27 hours.

9 3/4 hours - drilling  
1/4 hour - RS - Operate BOP  
1 hour - circulate at TD a lost circulation.  
6 hours - polled 16 stands and mixed mud. Tripped back to bottom.  
1 3/4 hours - circulate and condition mud, with full returns.  
1/2 hour - Short trip  
4 1/4 hours - Strap out of hole  
1/2 hour - Rig up to log with Schlumberger.

May 28, 1982

Day #15. Operation: Running 4 1/2" casing. 7450' FTD. 7 hours - log with Schlumberger  
1 1/4 hours - run in 30 stands. Plug bit.  
3 hours - trip out of hole  
3 hours - trip in hole. Break circulation.  
2 hours - circulate.  
5 1/2 hours - laid down drill pipe and drill collars.  
2 1/4 hours - rig up casing crew. Run 2150' of 4 1/2" casing.

Ran 172 jts. 4 1/2" 11.6# to 7442' KB, with shoe on bottom 7442' KB and float collar @ 7398.5' KB, centralizers @ 7420', 7335', 7291', 7203', 7116', 7029', 6734', 6343', 6115' and 3001'.  
Cement baskets 7049' - 6493' - 5996' - 3113'.  
Short joint @ 6102'. DV Tool 3064'. Pipe in hole at 8:15. Started circulating. Halliburton started cementing process at 8:45. First stage pumped 730 sxs of 50-50 Posmix, 2% gel, 6 1/4# Gilsonite, and 6# salt per sack. Plug down at 10:10. Dropped bomb to close off DV Tool. Opened D V Tool. Circulated for 3 hours. Pumped in 405 sxs of 65-35 Posmix, 12% gel, and 6 1/4# Gilsonite per sack, followed by 50 sxs Class B regular cement. Plug down at 1:35. Circulated 5 bbls. to surface. WORT.

June 16, 1982

Moved in Spartan Well Service. Drilled out D. V. Tool @ 3104', (previously reported at 3064' when pipe was set). Cleaned well out to plug back depth of 7399'. Spotted 250 gallons 7 1/2% Hcl over Dakota "D" interval. Blue Jet set up and ran correlation log, and perforated the Dakota "D" zone interval from 7286-7350 with 4 shots per foot at the following depths: 7295', 7328', 7330', 7334', 7336', 7338', 7347' and 7349'.

June 17, 1982

COOH with perf. gun, and broke formation down with Nasco pumping unit. Pumped in 20 bbls. Kcl water. Formation broke at 1400 psig. Established 31 BPM rate. Dropped 60 balls. Balled off. Released pressure. WIH with ball catcher, and retrieved 60 balls. Frac'd with slick water, (2½# FR-2 per thousand gals. water) clay stabilizers and adamite. Pumped in 16,000 gal pad. Pumped in 48,000# 20-40 sand, along with 2030 barrels of slick water. ISIP 1800# - after 15 min. 1500# min. rate 24 - Max. rate 30 BPM. Max press 3600# - Min. 2700#. Set Halliburton drillable bridge plug at 7220'. Tested B. P. to 4000 psig. WIHWT and spotted 250 gallons over Greenhorn and Dakota "A" sand. COOH with tbg. and WIH with perf. gun and perforated the Dakota "A" zone (interval 7148-7190) at the following per foot intervals: 7148', 7160', 7162', 7164', 7169' and 7172'. Each foot interval shot with 4 holes, using deep penetration bullets with diameter of .32 inch. These same shots were used on the "D" zone described above. COOH with perf. gun. WBIH with perf. gun and shot the Greenhorn interval (7065-7124') with one shot per foot at 7064', 7099, 7105, 7108', 7111', and 7119'. COOH W/P/G. Went back in hole with perforating gun, and shot the Dakota "A" interval, (7148-7180) at the following depths: 7148', 7159', 7161', 7163', 7168', and 7171' with 4 shots per foot. Hooked up NASCO to frac both the Greenhorn and Dakota "A". Broke down formations. Pumped in 50 bbls. Hcl water to break down formation. Formation broke at 2200#, with max. rate of 40 bbls. per min. Dropped 60 balls, 3 second spacing. Balled off completely. Released pressure. Went in with ball catcher, and picked up balls. COOH and frac'd zones with 56,000# of 20-40 Ottawa sand, and 2782 bbls. of slick water. (2½# FR-2 per thousand gals. water) with clay stabilizers and adamite. Min. rate 28 BPM - Max 34 BPM. Max pressure 3600 psig - Min. 2780 psig. Instant SIP. 1900 psig. After 15 min 1700 psig. WIH with bridge plug and set at 7050'. Tested BP to 4000 psig. Came up hole to lower Mancus zone, sometimes called Tocito, Sanastee, Toldillo, etc. to test. Ran tbg. in, and spotted 250 gallons acid over perfs, (7050-6700). COHWT and went in with perf. gun to perf the interval from 6800-6875. Shot the following depths: 6815', 6860', 6862', 6864', 6869', and 6872, with 4 shots at each interval or depth. COOH WPG, and hooked up nitrogen and water pumps.

June 18, 1982

Pumped in 70,000 SCF of nitrogen, 11 bbls. slick water. Broke formation at 2800 psig. Dropped 40 balls. Partial ball off. Flowed nitrogen and water to surface. Had blow of gas and some oil to surface within 55 minutes. Hooked up to frac with slick water, and sand. Pumped in 16000 gals. pad. Started sand (20-40) at 1/2# per gallon. Sanded off after 8000 gallons and 4000# sd. Max. pressure reached 3900 psig, with 1 bbl. per minute



rate. Shut in. Flowed pressure off. Well flowing by heads. Mostly water. Some gas and oil. Died after 4 hours. WIHWT and bit. Drilled out BPs at 7050' and 7220'. Cleaned hole of all sand. COOHWT and bit. Went back in with tubing, and seating nipple, and landed at 7267' KB. Flanged up well head.

- June 19, 1982 Swabbing well till 12:00 P. M. Mostly water. Oil improving. Fluid level about 600' from surface. Shut down to move and hook up tanks.
- June 20, 1982 Swabbing well. Gas and oil increasing. Pulled about 10 barrels oil and 100 barrels water. Shut down completion rig to get swabbing unit on tomorrow.
- June 21, 1982 Swabbing Unit, (Silver Star), moved on well. Had 400# on csg. and 100 on tbg. Swabbed all day. No bbls water. 10 bbls. oil.
- June 22, 1982 Swabbing csg. P. 900# - Tbg. 250#. 190 bbls. water. 50 bbls. oil. Fluid level about 1,200 feet from surface.
- June 23, 1982 Swabbing csg. pressure 1,100# - Tbg. 450#. Well flowing by head. Est. 220 bbls. water. Gauged 50 bbls. oil.

363-2  
☼  
TD 7400  
KB 6966

363-1  
☼  
TD 7450  
KB 6871

3-BC  
☼  
TD 3450  
KB 6954

Chace Oil Co.

70-2  
☼  
TD 7385  
KB 6899

Chace Oil Co.

70-5  
☼

70-6  
☼  
TD 7543  
KB 7071

29

28

27

RECEIVED  
JUL 12 1982

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Chace Oil Co.

70-3  
☼  
TD 7242  
KB 6942

70-4  
☼  
TD 3250  
KB 7032

Chace Oil Co.  
70-10  
●

70-9  
☼

70-7  
☼  
TD 7500  
KB 7068

70-8  
☼

32

33

34

70-1 (owwo)  
☼  
TD 6400  
KB 7005

70-14  
○

70-11  
○

70-12  
○

70-15  
☼

LTD V

Getty

Amerado-Hess

Arapahoe

Chace Oil Co.

D-2  
●  
TD 6208  
☼<sup>2</sup>  
TD 2740

☼  
TD 2960

71-3  
☼  
TD 7407  
KB 7192

71-6  
○

5

4

3

Florence

Amerado-Hess

☼<sup>4</sup>  
TD 2751

J-1  
☼  
TD 2870

J-2  
☼  
TD 2965  
KB 7180

71-2  
☼  
TD 3109  
KB 7271

71-7  
☼

71-1  
☼

☼ (A)

Chace Oil Co.

Chace Oil Co.

☼<sup>1</sup>  
TD 2845  
☼<sup>4</sup>  
TD 2860  
☼<sup>2</sup>  
TD 2810

Cinco Diablo (PC)

☼<sup>8</sup>  
TD 3000

☼<sup>1</sup>  
TD 3140

8

Chace Oil Co.

10

71-4  
☼

71-5  
☼

5

☼