Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla 54

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chace Apache 54

9. WELL NO.: 11

10. FIELD AND POOL, OR WILDCAT: Chacon Dakota Assoc.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 3, T22N, R3W

12. COUNTY OR PARISH: Sandoval

13. STATE: New Mexico

1a. TYPE OF WELL: OIL WELL [XXX] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [XXX] 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 any State requirements.)
At surface: Unit "K" 1850' FSL & 1850' FWL
At top prod. interval reported below
At total depth

RECEIVED
AUG 16 1982
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6-11-82	6-24-82	8-9-82	7216 GR 7230 KB	7217

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7141 KB	7097 KB		→	0-7141	-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Dakota "B" 6858-6870
Dakota "A" 6759-6779 Tocito 6372-6484

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction and Density

27. WAS WELL CORED: No

RECEIVED
SEP 2 1982
OIL CON. COM.
DIST. 3

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23	219 KB	9 3/4"	200 sxs - 360 cubic ft.	None
4 1/2"	11.6	7141 KB	7 7/8"	950 sxs - 1710 cubic ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6858 KB	

31. PERFORATION RECORD (Interval, size and number)
Dakota "B": 6858, 6860, 6862, 6864, 6866, 6870 - 4 SPF - Dakota "A": 6759, 6761, 6765, 6769, 6771, 6773, 6775, 6779 - 4 SPF - Tocito: 6372, 6374, 6434, 6438, 6442, 6444, 6476, 6478, 6480, 6482, 6484 - 4 SPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED WELL HISTORY	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8-9-82	Flowing - Pumping	~~Producing~~ Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-4-82	24	2"		130	115	30	885

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	190		160	115	30	44

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented during test, to be sold

TEST WITNESSED BY
Andy Birdsell

ACCEPTED FOR RECORD
AUG 24 1982
FARMINGTON, NEW MEXICO
BY

35. LIST OF ATTACHMENTS
See attached well history

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

SIGNED R. W. Mills TITLE President DATE August 11, 19

NMOCC

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 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo	2179	2303	Sd - no shows
Pic. Cliffs	2505	2645	Sd w/ sh strks - No shows
Chacra	2878	3504	Sh w/ sd strks
Cliff House	4049	4166	Sd w/ sh strks - Wet
Pt. Lookout	4445	4710	Sdy w/ coal & sh strks
Gallup	5660	5930	Shly w/ sd strks - No shows
Tocito	6367	6490	Sd w/ sh strks - Oil shows
Greenhorn	6667	6726	Limy sd - Hard
Dakota "A"	6755	6846	Sd w/ sh strks - oil and gas
Dakota "B"	6853	6910	Sd w/ sh strks - oil and gas
Dakota "D"	6920	7005	Sd w/ sh strks - oil and gas
Burro Canyon	7024		Sd - wet

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
GPO 837-497

871-233

CHACE OIL COMPANY, INC.

313 Washington S.E.

Albuquerque, New Mexico 87108

(505) 266-5562

WELL HISTORY

NAME OF WELL: Jicarilla Apache #54-11

LOCATION: Unit "K" 1850 FSL and 1850 FWL
Section 3, T22N-R3W, Sandoval County, NM

ELEVATION: 7216 ' GR

PROPOSED DEPTH: 7140' (Dakota Test)

ESTIMATED FORMATION TOPS:

Ojo	2260'
Pictured Cliffs	2570'
Chacra	2935'
Cliff House	4105'
Point Lookout	4480'
Gallup	5750'
Greenhorn	6740'
Dakota "A"	6815'
Dakota "D"	6990'

3/30/82 Application submitted.

6/11/82 Spudded at 10:00 P. M. Drilled 9 3/4" hole to 227'. Ran 4 joints J-55 8 5/8" 23# csg. to 219' KB, and cemented with 200 sxs Class B cement, with 3% cc and 1/4# flowseal per sack. Circulated 5 sacks cement to surface. Plug down at 2:30 A. M. June 12, 1982. WOC.

6/12/82 Day #1. Operation: WOC. Depth: 227'. Rotary 90 rpm. 15,000 weight on bit. Drilling rate 50' per hour. Liner size 5 1/2 x 15. 700# pressure. 56 strokes per minute. Spud mud. Deviation record: 1/2 degree at 227'. Bit #1 - 12 1/4 - OSC-3 227', 3 1/4 hours.
9 3/4 hours - Rig down. Move. Rig up.
3/4 hours - Drill rat and mouse-hole.
3 3/4 hours - Drill surface
1/2 hour - Survey. Trip out of hole.
1 hour - Run 8 5/8" casing
1/2 hour - cement with 200 sxs Class B, 3% calcium chloride, 1/4 # Flowseal per sack.
Plug down at 2:30 A. M., June 12, 1982.
3 1/2 hours - WOC
13 loads water

6/13/82 Day #2. Operation: trip for bit. Depth: 1669'. 24 hour progress 1442'. Sand and shale. Rotary 65 rpm. 35,000 weight on bit. Drilling rate 75' per hour. Liner size 5 1/2 x 15. 1,000# pressure. 60 strokes per minute. Mud vis is 34. Wt. is 8.6. W. L. is 6.0. Deviation record: 1/2 degree at 622' - 1/2 degree at 1112' - 1/2 degree at 1669'. Bit #2 - 7 7/8", F-2. 1442', 13 hours.
8 1/2 hours - WOC and nipple up. Pressure test BOP. 600#, 30 minute. Held okay.
1/2 hour - Drill plug and cement. Tagged cement at 195'.
1/4 hour - Survey
13 hours - Drill
1 1/4 hours - Survey and trip for bit.
10 loads water.

6/14/82 Day #3. Operation: drilling. Depth: 3023'. 24 hour progress 1354'. Sand and shale. Rotary 65 rpm. 35,000 weight on bit. Drilling rate 55' per hour. Liner size 5 1/2 x 15. 1,000# pressure. 54 strokes per minute. Mud vis is 36. Wt. is 8.8. W. L. is 8.0. 2% oil. Deviation survey: 1/2 degree at 2128' - 1/2 degree at 2652'. Bit #3. 7 7/8", F-2. 1354', 22 1/4 hours.
1 hour - finish trip for bit.
1/4 hour - RS
1/2 hour - survey
22 1/4 hours - Drill
12 loads of water

6/15/82 Day #4. Operation: drilling. Depth: 3919'. 24 hour footage 896'. Rotary 65 rpm. 35,000 weight on bit. Drilling rate 28' per hour. Liner size 5 1/2 x 15. 1,000# pressure. 53 strokes per minute. 3/4 degree at 3208'. 3/4 degree at 3701'. Bit #3. 7 7/8" - F-2 - 2250', 45 1/4 hours.
1/4 hour - RS BOP
3/4 hour - Survey
23 hours - Drilling
10 loads of water.

6/16/82 Day #5. Operation: drilling. Depth: 4589'. 24 hour footage 670'. Sand and shale. Rotary rpm 65. 35,000 weight on bit. Drilling rate 23' per hour. Liner size 5 1/2 x 15. 1,000# pressure. 52 strokes per minute. Mud vis is 40. Wt. is 9.0. W. L. is 9.0. Mud Additives: 40 barrels oil, 29 gel, 6 starch, 3 thinner, 1 1/2 soda ash, 4 fiber. Deviation record - 1/2 degree at 4289'. Bit #3 - 7 7/8", F2 - 2920', 68 1/2 hours.
1/4 hour - RS BOP
1/2 hour - Survey
23 1/4 hours - Drilling
11 loads water

6/17/82 Day #6. Operation: drilling. Depth: 4841'. 24 hour footage 252'. Sand and shale. Rotary rpm 65. Weight on bit 35,000. Drilling rate 28' per hour. Liner size 5 1/2 x 15. Pressure 1,100#. 52 strokes per minute. Mud vis is 45. Wt. is 9.1. W. L. is 6.4. Mud additives: 22 gel, 6 starch, 1 soda ash, 2 thinner, 1 caustic, 1 preservative, 5 benx, 2 fiber, 20 barrels oil.

Deviation record: 1/4 degree at 4724'. Bit #3 - 7 7/8", F2, 3055', 74 3/4 hours. Bit #4 - 7 7/8", F2, 117', 4 1/4 hours.
1/4 hour - RS BOP
1/4 hour - Survey
13 hours - Trip for bit. Bridge stopped at 1267' and 1477'. Wash bridges, and finish trip 40' to bottom
10 1/2 hours - Drilling
6 loads water.

6/18/82 Day #7. Operation: Drilling. Depth : 5406'. 24 hour footage 565'. Sand and shale. Rotary rpm 65. 35,000 weight on bit. Present drilling rate 20' per hour. Liner size 5 1/2 x 15. Pressure 1,000#. 52 strokes per minute. Mud vis is 45. Wt. is 9.1. W. L. is 6.8. Deviation record: 1/4 degree at 5272'. Bit #4. Size 7 7/8", F2. 682', 27 1/2 hours.
1/4 hour - RS BOP
1/2 hour - Survey
23 1/4 hours - Drilling
5 loads water.

6/19/82 Day #8. Operation: drilling. Depth: 5867'. 24 hour footage is 461'. Sand and shale. Rotary RPM 65 - Weight on bit is 35,000. Drilling rate is 20' per hour. Pump - liner size 5 1/2 x 15. Pressure is 1,000#. 52 strokes per minute. Mud vis is 45. Wt. is 9.2. W. L. is 6.0. Deviation record: 1/2 degree at 5763'. Bit #4: 7 7/8", F2. 1143', 50 3/4 hours.
23 1/4 hours - Drilling
1/4 hour - RS BOP
1/2 hour - Survey
7 loads of water.

6/20/82 Day #9. Operation: drilling. Depth: 6295'. 24 hour footage is 428'. Sand and shale. Rotary RPM 65. 35,000 weight on bit. 18' per hour drilling rate. Liner size 5 1/2 x 12. Pressure 1,000#. 50 strokes per minute. Mud vis is 44. Wt. is 9.3. W. L. is 6.0. Deviation record: 3/4 degree at 6256'. Run #4: 7 7/8", F2. 1571', 74 hours.
23 1/4 hours - Drilling
1/4 hour - RS BOP
1/2 hour - Survey
4 loads of water.

6/21/82 Day #10. Operation: drilling. Depth: 6770'. 24 hour footage 475'. Formation: Graneros. Rotary RPM 60. Weight on bit is 35,000. Present drilling rate: 15' per hour. Liner size: 5 1/2 x 15. Pressure: 1000#. 50 strokes per minute. Mud vis is 42. Wt. is 9.3. W. L. is 7.0. Deviation record: none. Bit #4, 7 7/8", F2. 2046', 97 3/4 hours.
23 3/4 hours - Drilling
1/4 hour - RS BOP
5 loads of water.

6/22/82 Day #11. Operation: work on C-250 pump. Depth: 6848'. 24 hour footage: 78'. Dakota formation. Rotary RPM 55. 35,000 weight on bit. Drilling rate 10' per hour. Liner size: 5 1/2 x 15. 1,000# pressure. 56 strokes per minute. Mud vis is 54. Wt. 9.5. W. L. 6.6. Deviation record: 1/2 degree at 6798'. Bit #4: 7 7/8", F2. 2073', 99 3/4 hours. Bit #5: 7 7/8", F4. 51', 5 1/2 hours.
7 1/2 hours: Drilling
13 1/2 hours: 2 Trips, and survey
3 hours: Work on pump
5 loads water.

6/23/82 Day #12. Operation: Drilling. Depth: 7093'. 24 hour footage 245'. Dakota Formation. 55 Rotary RPM. 35,000 weight on bit. Present drilling rate: 17' per hour. Liner - 5 1/2 x 15. 1,000# pressure. 50 strokes per minute. Mud vis is 60. Wt. is 9.6. W. L. is 7.0. No deviation record. Bit #5: 7 7/8", F4. 296', 28 hours.
1 1/4 hours - Work on C-250 pump.
1/4 hours - RS BOP
22 1/2 hours - Drilling
4 loads of water.

6/24/82 Day #13. Operation: Trip in hole to lay down drill pipe and drill collars. Depth: 7140' TD. 24 hour footage 47'. Dakota Formation. Mud vis is 120. Bit #5: 7 7/8", F4. 343', 30 3/4 hours.
2 3/4 hours - Drilling
2 1/2 hours - Circulate
3/4 hour - Survey trip
2 1/2 hours - Rig up and log. Log stopped at 1309'.
9 hours - Trips for logs
5 hours - Rig up and log with Schlumberger
1 1/2 hours - Trip in hole to lay down drill pipe and collars.

6/25/82 Day #14. Operation: Rig down and moving. Depth: 7141'TD. Mud additives: 10 bar.
1/2 hour - Go in hole
1 hour - Circulate
4 1/2 hours - Lay down drill pipe and drill collar
3 3/4 hours - Rig up casers, and run 4½" casing. 1 hr - cir. cs
1 hour - Cement 1st stage. Plug down 5:45 P. M. on 6/24/82.
3 hours - Open D. V. Tool and circulate
3/4 hour - Cement second stage
2 1/2 hours - Pick up BOP. Set slips and cut off.
6 hours - Rig down to move.
Rig released 12:00 P. M. on 6-24-82.

Ran 164 Joints of 4½" 11.6# casing. Set at 7141' KB. Shoe set at ~~7142~~ 7140'. Float collar at 7097'. D. V. Tool @ 2755'. Cement baskets at 6702', 6464', 2314', and 2138'. 1st stage: Cemented with 500 sxs of 50/50 posmix, 2% gel, 6# salt per sack. Plugged down at 5:15 P. M. on June 24, 1982. Second stage: Opened D. V. Tool and circulated for 3 hours. Cemented with 450 sxs 65/35 posmix, 12% gel and 6 1/4# Gilsonite per sack.

Followed by 50 sxs of Class B. Cement neat. Plugged down at 9:40 P. M. on 6-24-82. Circulated 11 barrels of cement to surface.

7/12/82: Moved Flint in to complete well. Rigged up. Ran tubing in to 2700'. Drilled out D. V. Tool at 7:30 P. M. Reamed. Went in to 7082'. Tested casing to 4000 psig. Prepared to displace hole with Kcl water. 10:30 P. M. started displacing hole. Completed at 11:00 P. M.

7/13/82: Spotted 250 gals. 7½% Hcl. COOH with tbg. @ 1:30 A. M. Started running correlation log. Out of hole with log @ 4:00 A. M. GBIHW cement bond log. Instrument hanging on DV Tool remnant. WBIH with mill, and smoothed up @ 5:30 A. M. Out of hole with log tool 6:00 A. M. Ran in the hole with new bit. Clean out D. V. Tool. POOH. Ran junk basket. Perforated Dakota "D" as follows: 6953, 6959, 6961, 6967, 6969; 4 SPF. Rig up Nowsco to break down. Dakota "D" zone broke down @ 1600# with 13 BPM. ISIP 1500#. Max. rate 27 BPM. Dropped 40 balls. Bled down. WIHW junk basket. Picked up balls. Went in hole. Set packer @ 6925'. Rig up to swab 12:40 P. M. Gas show on 3rd swab. No increase after 6 swabs. Set plug @ 6900'. Came out hole with tubing and packer. Went back in hole. Set bridge plug @ 6929. PBTD. (measured from KB). Tested csg. to 4000#. Went in hole with Bluejet perf. gun. Perf. Dakota "B" zone as follows: 6858, 6860, 6862, 6864, 6866, and 6870 @ 4 SPF. Came out of hole with perf. tool. Bullheaded 250 gal. 7½% Hcl with 40 balls. Broke down formation @ 2900#; 2 bbl/min injection rate. Second break @ 3500#. Balled off @ 3800#. Bled off, then shut in. Pressure built up to 1500#. Going in with junk basket through lubricator. Basket stopped on DV Tool. Came out hole with basket. Back in hole with 3 7/8" mill to remove burr on DV tool. Come out of hole with mill. Go back in hole with junk basket. Retrieved balls, and COHWJB. Frac'd with 33,500# 20-40 sd. 955 bbls. slick water. Max. press. 3800#. Average pressure 3000#. ISIP 2200#; after 15 min. 1740#. Max. rate 27 BPM. Min. rate 17 BPM. Set bridge plug at 6820'.

7-14-82: Tested csg. to 4000#, 1:30 A. M. Perfed Dakota "A" formation as follows: 6759, 6761, 6765, 6769, 6771, 6773, 6775, 6779 @ 4 SPF. Tried to break down. Sanded off. No flow. WIHWT. Washed out sand. Broke formation down. Dropped 50 balls. Formation broke at 3700#. Rate 8-9 bbls. per min. Balled off. Prepared to re-perforate @ 6759, 6761, 6765, 6769, 6771, 6773, 6775, 6779. (32 holes). GIHWJB. COHWJB. Recovered 24 balls, 6 hit. Attempted to break down formation. Did not get solid ball off; dropped 60 balls. GIHWJB. COHWJB. Recovered 75 balls; 13 hits. Prepare to pump in sand formation. Pressure 1490# at surface. BHP 5395# while treating. Pumped in 330 bbls. pad @ 3500# and 21.5 bbls./min. Pumped in ½ lb. sd with 5000 gal (119 bbls) followed with 110 bbls. water. Pumped in 3/4 lb sd with 213 bbls. Pressure about 3200#. Pumped in 1 lb. sd with 146 lbs. water. Pressure average 3180#. Pumped in 3/4 lb sd with 330 bbls. Press. built up to 3490#. Flushed with 126 bbl. water. Press. 3700. Pumped in 29,778 lbs. sd. Total fluid 1378 bbls. less 33 bbls. sd. GOIHW Bridge plug. Set at 6520. Pressure test plug to 4000#. Ok. GOIHW tubing. Spot 2 bbl. acid. COHWT. GOIH. Perforate Tocito zone @ 6372, 6374, 6434, 6438, 6442, 6444, 6476, 6478, 6480, 6482 and 6484 @ 4 SPF. Released Bluejet.

7-15-82: GOIHW packer on tubing. Set up N_2 Operation.

Displace tubing with N_2 19,200 scf. Set Packer @ 6170. Pump in 5 bbls. acid, and 3600 scf N_2. Dropped 35 balls. 15 bbl spacer. Dropped 40 balls. Ball off press 4200#. Surge balls out and test. Swabbed hole out. Small flow of gas. Swabbed down. No fluid. Prepared to frac Tocito. No pressure on csg. Started pumping in @ 26.5 bbls/min. Pressure reached 3000#, then dropped back to 2800# @ 22.5 bbls/min. Pumped in 333 bbls pad @ 22.6 bbls/min - 2930# pressure. Pumped in ½ lb sd with 194 bbls @ 22.5 bbls/min. 2970#. 3/4 lb sd with 207 bbls. @ 22.5 bbls/min. 3300#. Start flush. 101 bbls. Total bbls. fluid 836 bbls. Total sd. 10,500 lbs. ISIP; 2500#. 15 min. SI 2150# @ 4:00 P. M.
@ 7:45 P. M. 1700# press. Bled off. GIHWT, to start swabbing. Ran 6953' of tubing-flanged up well head for swabbing.

7-16-82: Swabbed well 12 hours. Recovered 200 bbls. fluid. About 120 bbls. oil, and 80 bbls. water. Gas improving. SIWOSU.

7-17-82 to 8-1-82: Flowing intermittently into frac tank.

8-2-82: Silver Star Swabbing Unit started swabbing well. Fluid leval at surface. Swabbing oil and water. Csg. pressure 800 psig. Well flows by heads.

8-3-82: Same as above. Well flowing longer, but csg. pressure dropping to 200 psig.

8-4-82: Swabbing. Frac water coming back. Swabbed about 180 bbls. fluid. Mostly water, very little gas. Csg. 400 psig.

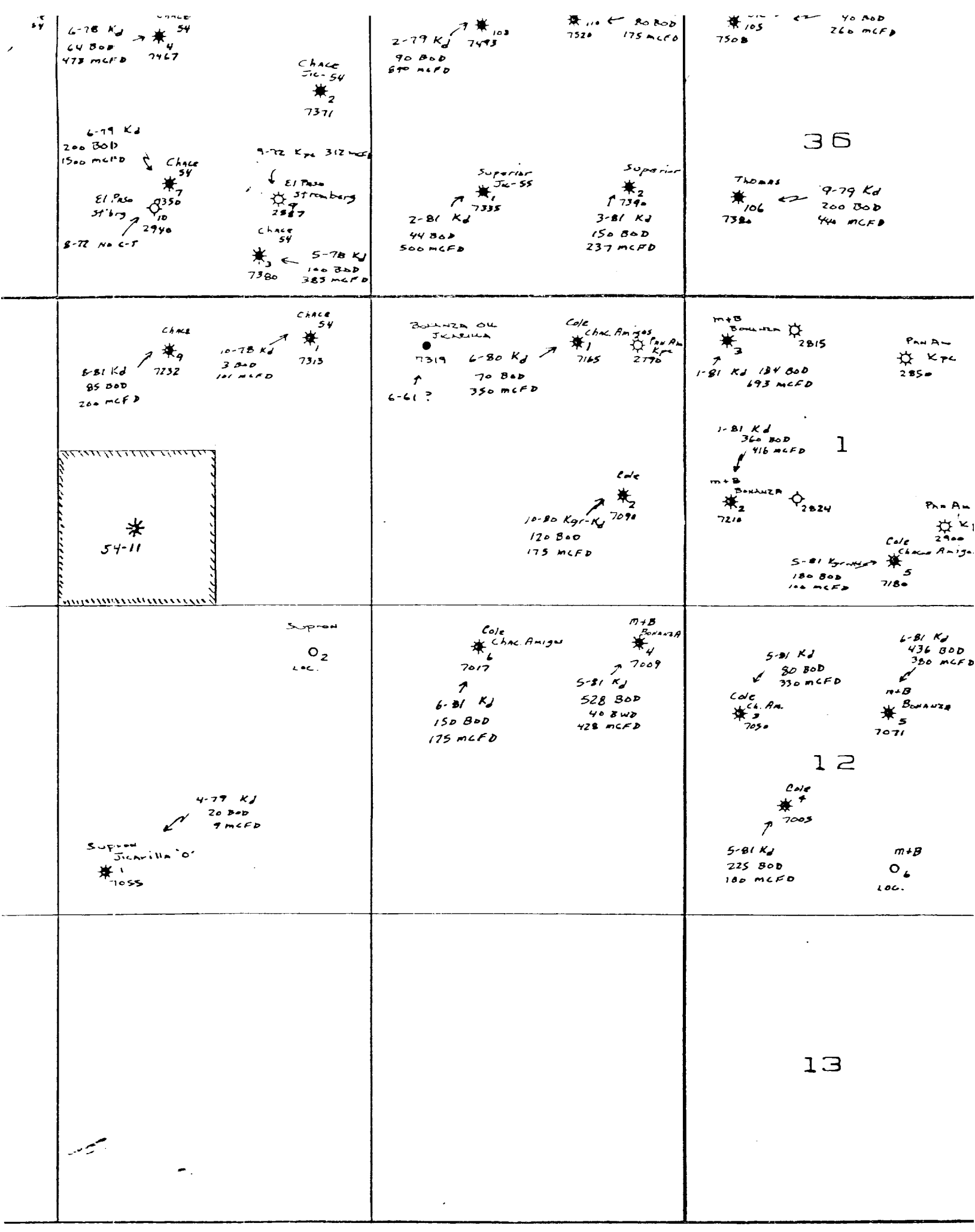
8-5-82: Swabbing. Water diminishing. Oil and gas improving. Csg. pressure 800. Dismissed swabbing rig.

8-6-82: Started hooking up location. 1-400 bbl. tank, and Olman Heath 250# 3 phase separator. Waiting on pump jack.

8-7-82: Working on location. Installed pump jack. Remco 160. 8 strokes per min. 72" stroke.

8-8-82: Pumping 60 bbls per 12 hours of oil. 20 bbls. water. Gas increasing. Pump sanded off. Ran endless tubing to clear out sand.

8-9-82: Pumping.


Chace 54
6-78 Kd
64 BOD
478 MCFD
4
7467
Chace Jic-54
2
7371
6-79 Kd
200 BOD
1500 MCFD
Chace 54
7
El Paso St'berg
9350
10
2940
8-72 No C-T
9-72 Kpc 312 MCFD
El Paso Stromberg
9
2887
Chace 54
3
7380
5-78 Kd
100 BOD
385 MCFD
2-79 Kd
90 BOD
870 MCFD
103
7493
110
7520
80 BOD
175 MCFD
Superior Jic-55
1
7335
2-81 Kd
44 BOD
500 MCFD
Superior
2
7390
3-81 Kd
150 BOD
237 MCFD
105
7508
40 BOD
260 MCFD
36
Thomas
106
7380
9-79 Kd
200 BOD
444 MCFD
Chace
9
8-81 Kd
85 BOD
200 MCFD
7232
10-78 Kd
3 BOD
101 MCFD
Chace 54
1
7313
54-11
Bonanza Oil Jicarilla
7319
6-61 ?
6-80 Kd
70 BOD
350 MCFD
Cole Chac Amigos
1
7165
Pan Am Kpc
2770
Cole
2
7098
10-80 Kgr-Kd
120 BOD
175 MCFD
m+B Bonanza
3
2815
1-81 Kd 184 BOD
693 MCFD
Pan Am Kpc
2850
1-81 Kd
360 BOD
416 MCFD
1
m+B Bonanza
2
7210
2824
Pan Am
2900
Cole Chac Amigos
5
7180
S-81 Kgr-Kd
180 BOD
100 MCFD
Supron
O2
Loc.
4-79 Kd
20 BOD
9 MCFD
Supron Jicarilla "O"
1
7055
Cole Chac Amigos
6
7017
6-81 Kd
150 BOD
175 MCFD
m+B Bonanza
4
7009
5-81 Kd
528 BOD
40 BWD
428 MCFD
5-81 Kd
80 BOD
330 MCFD
Cole Ch. Am.
3
7050
6-81 Kd
436 BOD
380 MCFD
m+B Bonanza
5
7071
12
Cole
4
7003
5-81 Kd
225 BOD
180 MCFD
m+B
O6
Loc.
13