

5 - USGS 1 - Billie Robinson 1 - Four Corners Drlg. 1 - File

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
Dugan Production Corp.

3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1545' FSL - 790' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☒
ABANDON* ☐
(other) Re-enter ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED

(NOTE: Report results of multiple completion tests or change on Form 9-330.)

SEP 29 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED

SEP 30 1980

OIL CON. COM.
DIST. 3

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Dugan Production Corp. proposes to re-enter and recomplete this previously abandoned well as follows:

1. Remove dry hole marker and tie back to cut off 8-5/8" surface csg. and install 8-5/8" x 4-1/2" Bradenhead.
2. Drill out cement plugs at 131' to 331' and on top of 4-1/2" csg. stub @ 1100'.
3. Tie back to 4-1/2" csg. w/ 1100' of 4-1/2" csg.
4. Drill out cement plugs and retainers to approximately 8000'.
5. Selectively perforate and sand water frac the Gallup formation.
6. Run tbg. and test well.

PLEASE NOTE - All previous stipulations of the B.L.M. as to site restoration will be adhered to. This work will be commenced as soon as possible.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Jim Jacobs TITLE Geologist DATE 9-25-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED

9-25-80

SEP 29 1980

JAMES F. SIMS

DISTRICT OIL & GAS SUPERVISOR

NEA/COC

6 - USGS

1 - File

1 - Billie Robinson

1 - Four Corners Drlg.

Form 9-331
Dec. 1973Form Approved.
Budget Bureau No. 42-R1424

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other2. NAME OF OPERATOR
Dugan Production Corp.3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1545' FSL - 790' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) _____

5. LEASE
NM-7993

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tapacitos

9. WELL NO.

#2

10. FIELD OR WILDCAT NAME

Undesignated

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

Sec 25 T26N R2W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7723' G.R.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pulled dry hole marker - moved in Salazar Drilling rig. Rigged up and drilled top cement plug - cleaned out to top of 4½" csg cut off - circulated hole clean. P.O.H. and ran 27 jts 4½" O.D., 10.5#, 8 Rd, ST&C csg plus 13.78' long jt.

7" csg on btm. T.E. 1116.81'-Got over 4½" stub w/ 7" - picked up 3-7/8" bit and 2-3/8" tbg and cemented 4½" csg w/ 100 sks 2% Lodense followed by 100 sks neat. (Total slurry 338 cu. ft.). Cement circulated to surface.

RECEIVED

OCT 17 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED Thomas A. Dugan TITLE AgentDATE 10-8-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-7993	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. ENV. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Dugan Production Corp.		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P O Box 208, Farmington, NM 87401		8. FARM OR LEASE NAME Tapacito	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1545' FSL - 790' FWL At top prod. interval reported below At total depth _____		9. WELL NO. #2	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Undesignated Gallup	
15. DATE SPUDDED 10-18-80		11. SEC., T., R., M., OF BLOCK AND SURVEY OR AREA Sec 25, T26N R2W	
16. DATE T.D. REACHED 11-12-80		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 10-30-80		13. STATE NM	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 8650		21. PLUG BACK T.D., MD & TVD 8050	
22. IF MULTIPLE COMPL., HOW MANY* Single		23. INTERVALS DRILLED BY → 0 - 8650	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 7368 - 7556		25. WAS DIRECTIONAL SURVEY MADE Deviation	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Density C & L Density, Senic, GR-CCL		27. WAS WELL CORED yes	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8	36	231	12-1/4"
4-1/2	10.5 & 11.6	8623	7-7/8"
**4-1/2	10.5	1116	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
one	RECEIVED		
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8	5985	Baker R-5985	
31. PERFORATION RECORD (Original size and number)			
7368-80, 7407-15, 7435-59, 7456-72, 7534-44, 7546-56			
32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)			
None			
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
10-31-80		Shut in	
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.
3	1/2	→	1.5
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE
23 psig	packer	→	12
GAS—MCF.		WATER—BBL.	OIL GRAVITY-API (CORR.)
183	0.5	4	420
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SI tbq 1140 psig			
TEST WITNESSED BY Charles Hall			
35. LIST OF ATTACHMENTS **This csg tied in where csg previous shot off and cemented.			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Thomas A. Dugan		TITLE President	
DATE 10-31-80		DATE 10-31-80	

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

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:			38. GEOLOGIC MARKERS	
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			NAME	MEAS. DEPTH
FORMATION	TOP	BOTTOM	TOP	TRUB. VERT. DEPTH
			Tertiary Undivided	3901'
			Ojo Alamo	3619'
			Kirtland	3901'
			Fruitland	3920'
			Pictured Cliffs	3975'
			Lewis	4152'
			Cliff House	5728'
			Transition	
			Menefee	5818'
			Point Lookout	6080'
			Mancos	6432'
			Gallup	6938'
			Sanostee	7840'
			Greenhorn	8151'
			Graneros	8228'
			Dakota "D"	8362'
			Burro Canyon	8480'

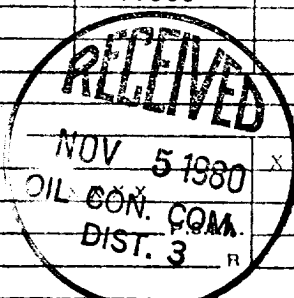
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 10-31-80	
Company Dugan Production Corp.				Connection	
Pool Undesignated				Formation Gallup	
Completion Date 10-30-80		Total Depth 8650		Plug Back TD 8050	
Elevation		Farm or Lease Name Tapacitos			
Csg. Size 4 1/2	Wt. 11.6&10.5#	Set At 8626	Perforations: From 7368 To 7860		Well No. #2
Tbg. Size 2-3/8	Wt. 4.7#	Set At 5985	Perforations: From open end To		Unit Sec. Twp. Rge. L 25 26N 2W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At 5985	
Producing Thru Tbg		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		State NM			
L	H	Gg .65 est	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F		Press. p.s.i.g.	Temp. °F
SI							1140		0		20 hrs
1.											
2.											
3.	1 1/2" pos. choke			23		600					3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{py}	Rate of Flow Q, Mcfd
1							
2							
3	5.4315		35	1.000	.9608	1.000	183
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/Inch
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3					Specific Gravity Flowing Fluid <td></td>	
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>R</td>	R



NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$ _____

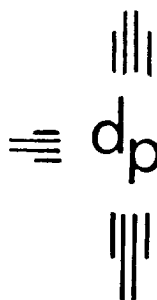
AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 183$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$ _____

Absolute Open Flow	183	Mcf @ 15.025	Angle of Slope	Slope, n
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Remarks: Q = AOF = Friction Negligible - well made spray of oil during test

Approved by Division	Conducted by: Hall	Calculated by: Jacobs	Checked by:
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dugan production corp.

DUGAN PRODUCTION CORP.

Tapacitos #2

1545' FSL - 790' FWL

Sec 25 T26N R2W

Rio Arriba County, NM

MORNING REPORT

- 10-1-80 Moving in and rigging up Salazar Drlg. Co. Rig.
- 10-2-80 Finished rigging up and drilled top cement plug w/ wtr. mixed mud - now cleaning out old hole @ 950' Wt. 9.6 Vis 68
- 10-3-80 Finished washing down to top of cut off 4½" csg. P.O.H. Picked up 1 13.78' jt. of 7" csg. and 27 jts 4½" O.D., 10.5#, 8Rd, ST&C csg. T.E. 1116.81 - got over 4½" csg w/ 7" - Picked up 3-7/8" bit on 2-3/8" tbg. - trip in hole w/ bit to 1175' (no problem getting inside 4½" csg.) - P.O.H. and laid down 2-3/8" tbg - rigged up and cemented 4½" csg w/ 100 sks 2% Lodense followed by 100 sks class "B" neat (total slurry 338 cu. ft.) Job complete 6:00 a.m., 10-3-80. Waited 2 hrs on cement. Released rig @ 8:00 a.m., 10-3-80.
- 10-7-80 Roaded rig to location and hauled dog house with pickup. Spotted Rig. Pump & Pit & Rig up same. Dug out collar on surface pipe and broke out swedge, put on well head and stripper head, unloaded 2-3/8" tbg, 2 jts.
- 10-8-80 Rig up tongs and floor; airswitch went out in cab of unit that controlled gear selector and power to rig controls. Worked on rig 2 hrs; took switch off tong control, put in cab and hooked tongs up direct. Tallied, rabbited and pull protectors off tbg and run to 880' & tagged cement. Rig down tongs and rig up power sub and pump; drilled cement to 1100; got in cas. below patch job; drilled rubber plug & about 5' cement and fell free; circulated well clean and shut down at 7:00.
- 10-9-80 Rig down power sub; Rig up tongs and pulled. 19 stands took off mill & bit sub, picked up 2-3/8" overshot and run 19 stands and picked up. Tallied, rabbited and took off protectors and run 71 jts 2-3/8" tbg. Tagged fill; rigged up power sub and cleaned out about 100' fill and got fish. Rig down power sub, rig up tongs; Pulled 56 stands and 1 single; broke off overshot and took fish out of it; Picked up new bit and run tbg back in hole and shut down at 7:00.

DUGAN PRODUCTION CORP.
Tapacitos #2
1545' FSL - 790' FWL
Sec 25 T26N R2W
Rio Arriba County, NM
Page 2

- 10-10-80 Rig down tongs and rig up power sub. Started drilling at 7:30. Drilling on junk, rubber and cement; drilled 45 min. and got a piece of the bit back and 3 teeth, and one bearing. Circulated hole clean. Rig down power sub. Rig up tongs; pulled 56 stands and 1 single; bit had a sml. piece off of one cone. Put mill on and run back in hole and started drilling junk and cement; drilled down 7 jts, 215', and circulated well clean and shut down at 7:00.
- 10-11-80 Started drilling and drilled down 2 jts, about 60', and laid down power sub. Picked up tongs and pulled out of hole; changed mills and run back to bottom; laid down tongs and rigged up power sub. Started drilling on junk, rubber and cement, but could not get it to drill. Worked till 7:00 and got one jt & 2'. Shut down.
- 10-12-80 Shut down - Sunday
- 10-13-80 Rig down power sub and picked up tongs. Pulled 61 stands and 1 single. Rigged up sand pump and ran 5 times and got iron and rubbed. Last run, got a few small pieces of rubber. Laid down sand pump and picked up tongs and ran tbg back in hole and started drilling and drilled to 3800'. Circulated well clean and drained pump. Quit at 7:00.
- 10-14-80 Started drilling @ 3800', but could not get mill to drill; tried reverse drilling, conventional, just fanning it and 9000 on it; but still was taking 14 min a foot. Drilled to 3828' and laid down power sub and picked up tong; pulled tbg and put on bit and went back in hole and started drilling. Had iron in hole; tried everything to get it to drill. Laid down power sub and rigged up tongs. Came out of hole and rigged up sand pump and ran it 2 times; had to stop as it got dark. Shut down at 7:00.
- 10-15-80 Continued running sand pump; getting junk iron. Didn't get anything the last 3 runs. Picked up tongs and ran tbg with new mill. Rigged up power sub; started drilling. Drilled cement and iron at a rate of about 45 min per foot and less. Shut down at 6:30 and drained up pump and hoses. Quit at 7:00.
- 10-16-80 Hooked up pump and started milling on iron and cement. Milled to 3:30. Rigged down power sub and picked up tongs; pulled 63 stands and 1 single. Lack 9' having the single drill down. Laid down tongs. Rigged up sand pump and ran it and got only cement and iron cuttings. Ran it 2 times and laid sand pump down and picked up tongs and put on new mill. Started in hole. Shut down and drained pump and hoses and quit at 7:00.
- 10-17-80 Finished running in hole. Rigged down tongs; rigged up power sub. Started drilling, 24 min. to 28 min per foot. Hooked up power unit to power sub and got 75 to 85 rpm; then drilling time was 8 to 10 min per foot. Drilled down to 3893' and then

DUGAN PRODUCTION CORP.
Tapacitos #2
1545' FSL - 790' FWL
Sec 25 T26N R2W
Rio arriba County, NM
Page 3

- 10-17-80 drilling time picked up to about 3 min per foot, but still
(cont.) getting a little iron and cement. Got to about 3903' and shut
down at 6:40. Circulated well clean and drained up pump and
hoses. Quit at 7:30.
- 10-18-80 Hooked up pump and started drilling iron and cement at 3903 and
drilled all day and got to about 3959. Shut down at 6:15.
Circulated well clean and drained up pump and hoses and shut
down at 7:00.
- 10-19-80 Shut down - Sunday
- 10-20-80 Hooked up pump and started drilling 3959 and drilled to 4070' and
fell free. Circulated well and laid down power sub. Picked
up tongs and pulled out of hole with mill. Put on new mill.
Ran tbg out of derrick and tallied and rabbited tbg on rack
and ran in to 5352 and tagged frac sand. Rigged up power
sub and cleaned out sand to 5772 and hit cement; drilled cement
from 5662 to 92, but did not hit cement retainer. Quit drilling
at 6:40. Circulated well clean and drained up pump and hoses.
Quit at 7:30.
- 10-21-80 Hooked up pump and started drilling at 5692. Drilled to 5716;
had a lot of trouble drilling plug. It fell and started
turning. Still drilling junk iron; Ran out of water at 5:15.
Shut down and cleaned pit and drained pump. Quit at 6:00.
- 10-22-80 Hooked up pump and power unit for power sub. Started drilling
cement and iron at 5716' to 5859'. Had to have a load of water
as hole was taking some water and stripper rubber was leaking.
Shut down drilling at 6:30. Circulated hole and drained pump
and hoses.
- 10-23-80 Hooked up pump and changed stripper rubber and started drilling.
Tried to drill in reverse, but mill would plug, so changed
back to conventional and drilled from 5859' to 6049', 190'.
Quit drilling at 6:35. Drained pump and hoses; quit at 7:00.
- 10-24-80 Hooked up pump and started milling at 6049'. Made 15' and
then had about 15' of stringers; last 15' of that jt didn't
touch anything. Ran one more jt with swivel; did not touch
anything. Laid down power sub. Picked up tongs and ran one
jt and 15'; hit cement. Picked up power sub and drilled about
38' and fell free. Ran 3 more jts with power sub, rigged it down,
picked up tongs and ran 9½ jts and tagged sand. Picked up
power sub and washed out 8½ jts sand. Hit cement retainer 8' high.
Laid down tongs, put on B.O.P. and rigged up power sub. Started
milling cement retainer. Power unit lost drive line. Hooked
up tong system to power sub and milled to 6:35. Shut down
drilling, drained pump and quit at 7:00.

- 10-25-80 Finished drilling cement retainer and cleaned out to 7995'. S.D.O.N.
- 10-26-80 Shut down - Sunday
- 10-27-80 P.O.H. w/ tbg - wait on perforators. Did not make location. (6" snow on location.)
- 10-28-80 Wait on perforators. Finally arrived on location @ 3:00 p.m. Rigged up and made trip in hole w/ 24' gun. Had trouble from 7200 on, but worked gun to 8050'. (Made decision to run bridge plug.) - Attempt to run 4½" bridge plug - unable to get plug below 5995'. Pulled out of hole and ran perforating gun. Perf 7852-60 (4 holes) and 7758-7768 (5 holes). While pulling out of hole w/ gun, hit tight spot @ 6040' and pulled out of cable head - now re-heading perforators line.
- 10-29-80 Finished re-heading line and picked up 26' gun. Unable to get gun below 6025'. P.O.H. w/ 26' gun and broke down to run in shorter gun runs. Ran 10' gun and worked thru tite interval 6029' to 6053'. Perf. 7546-56 (5 holes). Had problem pulling out of hole @ 6180'. Worked thru tite spot. Ran 6' gun and attempted to perf 7540-7546. (Gun did not free.) P.O.H. (Very tite @ 6070') - TIH w/ 10' gun. Had problems working thru tite spot @ 6040'. Perf. 7534-44' (5 holes). Had tite spot @ 6580 on trip out of hole (no problem in interval of problem on trip in hole). TIH w/ tandem 6' guns perf. 7466'-72' (3 holes) and 7453-59' (3 holes) - No problems going in or coming out of hole. TIH w/ 8' gun - perf. 7407-15' (4 holes). No problems on trip in hole or trip out. TIH w/ 12' gun - perf. 7368-80' (6 holes) no problem going in hole. Pulled tite @ 6745' and very tite @ 6170'. Took 2500# pull to free gun. Rigged down perforators. Laid down 22 jts tbg out of derrick. Nippled down B.O.P. Picked up 4½" Baker Model R Packer. Ran in hole. Tagged tite spot @ approx. 6005'. Worked packer through tite spot and got to 6040'. Unable to make any more hole. S.D.O.N.
- 10-30-80 Pulled up and set packer @ 5985'. Rigged up and swabbed 2-3/8" tbg. Made 4 swab runs. Well kicked off. Left flow 1 hr. Making estimated 300-500 MCFCPD. Made one more swab run. Swabbed approx. 2 bbls wtr. Left well flow 3/4 hr. Gas estimated as above. Shut well in overnight.