

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 well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
SHELL OIL COMPANY
3. ADDRESS OF OPERATOR
P.O. Box 831 Houston, Texas 77001
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 1980' FEL Sec. 13
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
E.W. Mudge No. 3 SF 07 8064
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Carson Unit
8. FARM OR LEASE NAME
9. WELL NO.
31-13
10. FIELD OR WILDCAT NAME
Bisti
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
T25N R12W S. 12
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' KB

(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.)*

SEE ATTACHED

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

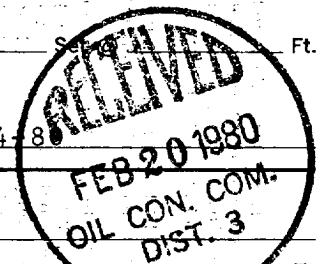
SIGNED [Signature] TITLE DIV. PROD. ENG. DATE 2-4-80

(This space for Federal or State office use)

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

NMOCC

*See Instructions on Reverse Side



APPROVED

FEB 19 1980
James F. Sims
JAMES F. SIMS
DISTRICT OIL & GAS SUPERVISOR

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

AUTHORITY FOR EXPENDITURE

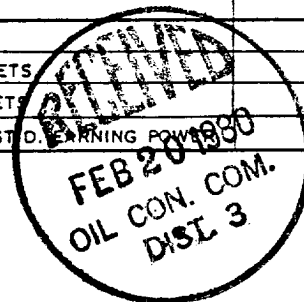
DEPT. PRODUCTION		BRANCH OFFICE ROCKY MTN. DIVISION		ORIGINATING OFFICE PRODUCTION		A.F.E. NO.			
LOCATION OF PROJECT CARSON UNIT BISTI FIELD SAN JUAN COUNTY, NEW MEXICO						APPROPRIATION NO.			
						DATE PREPARED 11/9/79		DATE REGISTERED	
						EST. ☐		COMPLETION ☐	
LOCATION NUMBER									

WORK ORDER NUMBER	TYPE	DESCRIPTION	100% COST	SHELL'S 100% SHARE			
				BUDGET	NON-BUDGET	EXPENSE	TOTAL
		Stimulate C.U. 31-13 and install equipment to return to production.	\$13,300			\$13,300	\$13,300
		Purchase and install other surface and subsurface equipment to return well to production.	13,900	\$13,900			13,900
		Transfer Lufkin C144-170-54 pumping unit and motor from Ventura, CA to C.U. 31-13.	7,230	7,230			7,230
		Requested by: C. O. Collins					
		(Worksheet)					
		SUB-TOTALS	\$34,430	\$21,130		\$13,300	\$34,430
BUDGET POSITION		AVAILABLE IN BUDGET		RETIREMENT EXPENSE (LESS SALVAGE)			
		NEW CAPITAL FUNDS REQUIRED BY BUDGET REVISION		TOTAL COST		\$34,430	

RETIREMENT DATA		JUSTIFICATION	
ORIGINAL COST		BUDGET CAPITAL EXPENDITURE	
LESS DEPRECIATION		MAINTENANCE, PLANT CHANGE & OTHER EXPENSE	
NET BOOK VALUE		RETIREMENT EXPENSE	
RETIREMENT EXPENSE		TOTAL — EXCLUDING TRANSFERRED ASSETS	
SALVAGE VALUE ()		ESTIMATED SAVINGS OR REVENUE	
BOOK (PROFIT) OR LOSS		ESTIMATED PAY-OUT PERIOD — EXCLUDING TRANSFERRED ASSETS	
DESCRIPTION OF PROJECT AND REASON FOR EXPENDITURE		ESTIMATED PAY-OUT PERIOD — INCLUDING TRANSFERRED ASSETS	
		EST'D. USEFUL LIFE	EST'D. TAX LIFE
			EST'D. EARNING POWER

See attached justification.

RECOMMENDED		APPROVALS	
CCC 11-14-79 JMR verbal 11/26/79 KFT <i>cl</i>		<i>G. Thompson</i> 12/6/79	
		APPROVAL CERTIFIED	



REMEDIAL PROGNOSIS
CARSON UNIT 31-13
660' FNL AND 1980' FEL
SECTION 13, T25N, R12W, NMPM
BISTI FIELD
SAN JUAN COUNTY, NEW MEXICO

Pertinent Data:

Elev: 6370' KB
KB-GL 9'
TD: 5025' PBD: 5024'

Completion Date: 2-6-60

Current Status: Temporarily abandoned.

Proposed Work: Stimulate the GC and GD sand members of the Gallup zone, install artificial lift equipment, and return well to production.

Procedure:

1. Install dead man anchors.
2. Move in rig.
3. Run sinker bar on sandline and tag bottom.
4. If fill is above 4935'±, bail clean to 4935'±.
5. Pick up string of 2-3/8" tested "white band" tubing with casing scraper on bottom and run to 4935'±.
6. If fill is above 4935'±, bail clean to 4935'±.
7. Run Model C retrievable bridge plug below Model R packer on tubing. Set bridge plug at 4925'. Pull packer to 4870'± and spot Dowell P-121 solvent to packer and set packer. Flush injection lines and pump with water before hooking up to wellhead. Stimulate well with 500 gals. Dowell P-121 solvent followed by 2500 gals. 15% HCl and flush acid with 2% KCl water. Pump solvent at 1 BPM until 3 bbls. covers perfs and then slow rate to 1/2 BPM. When acid hits perfs, increase rate to 1 BPM until 12 bbls. of acid is in formation then decrease rate to 1/2 BPM. Hold rate at 1/2 BPM until 25 additional bbls. of acid in formation then increase rate to 1 BPM for remainder of acid and flush. Do not exceed 1400 psi surface pressure during treatment. Add 10 gals. Dowell U-42 Versene sequestering agent and 7 gals. Dowell A-200 inhibitor to acid.

4876'
4894'
4901'
4914'
4939'
4948'
4956'
4968'

4 1/2"
5024'
9.5"

8 5/8"
111'
28"

8. Shut well in overnight.
9. Pull tubing, packer, and bridge plug.
10. Run 2-3/8" tubing with anchor one joint above shoe. Run rods as per attached "equipment specifications" sheet.
11. Repair electrical line to location. Install transformer and controller.
12. Tie flowline into gathering system.
13. Install pumping unit.
14. Put well on production. Test well and report tests to Houston Operations Engineering.

Approved



Date

12-6-79

COC:JL

COC
11-14-79JMR
verbal 11/26/79