CONFIDENTIAL

Form DOGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well
Oil Well [X] Gas Well [ ] Other Single Zone [X] Multiple Zone [ ]

2. Name of Operator
Shell Oil Company

3. Address of Operator
P. O. Box 831, Houston, Texas 77001 Attn. G. M. Jobe Room 5468WCK

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
685' FSL & 645' FWL Section 32 SWSW
At proposed prod. zone

5. Lease Designation and Serial No.
ML 31340

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
State

9. Well No.
14-32

10. Field and Pool, or Wildcat
Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area
SW/4 SW/4 Section 32
T38S R19E

12. County or Parrish 13. State
San Juan County, Utah

14. Distance in miles and direction from nearest town or post office*
Approximatley 20± miles north of Mexican Hat, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 645'

16. No. of acres in lease 640

17. No. of acres assigned to this well 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. None

19. Proposed depth 2455'± PARADOX

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 6210' GR

22. Approx. date work will start* Upon permit approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

Attachments:
(1) Survey Plat
(2) Drilling Prognosis
(3) Topo Map

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8/24/82
BY: [illegible]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
Signed G. M. Jobe Title Administrator Regulatory-Permits Date 6/14/82

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....
Conditions of approval, if any:

*See Instructions On Reverse Side

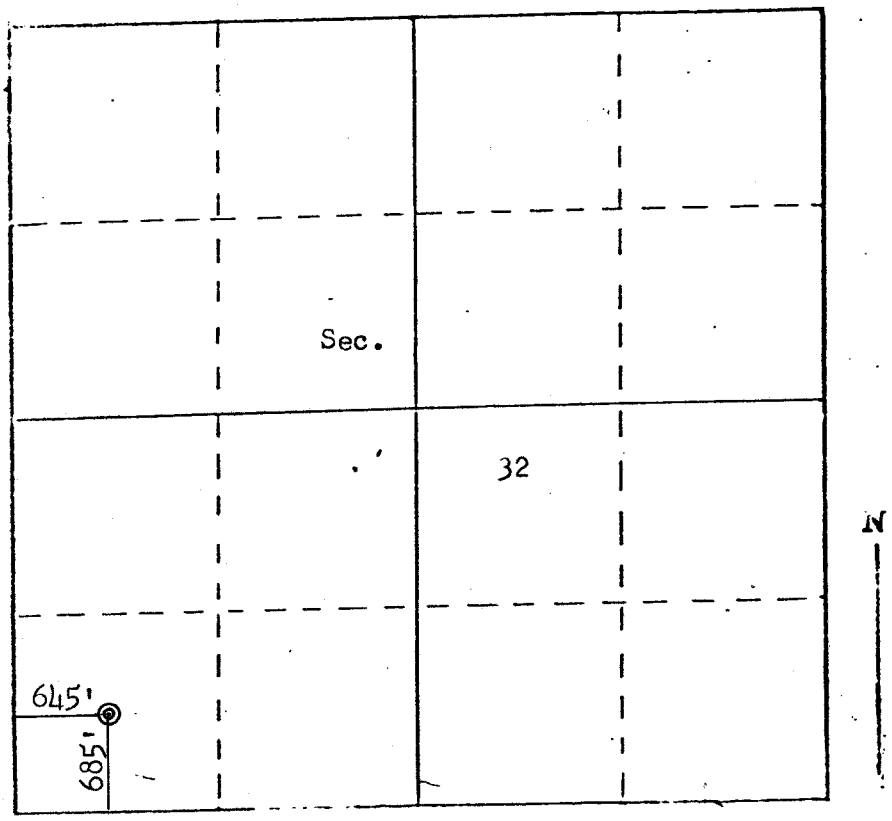
COMPANY SHELL OIL COMPANY

LEASE STATE WELL NO. 14-32

SEC. 32, T. 38S, R. 19E
San Juan County, Utah

LOCATION 685'FSL 645'FWL

ELEVATION 6210 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

Registered Land Surveyor.
3950

SURVEYED May 18, 1982

FARMINGTON, N. M.

DRILLING PROGNOSIS

WELL: State 14-32

W.O. NO. _____

LOCATION. Sec. 32, T38S, R19E
San Juan County, Utah

FIELD: Paradox Basin

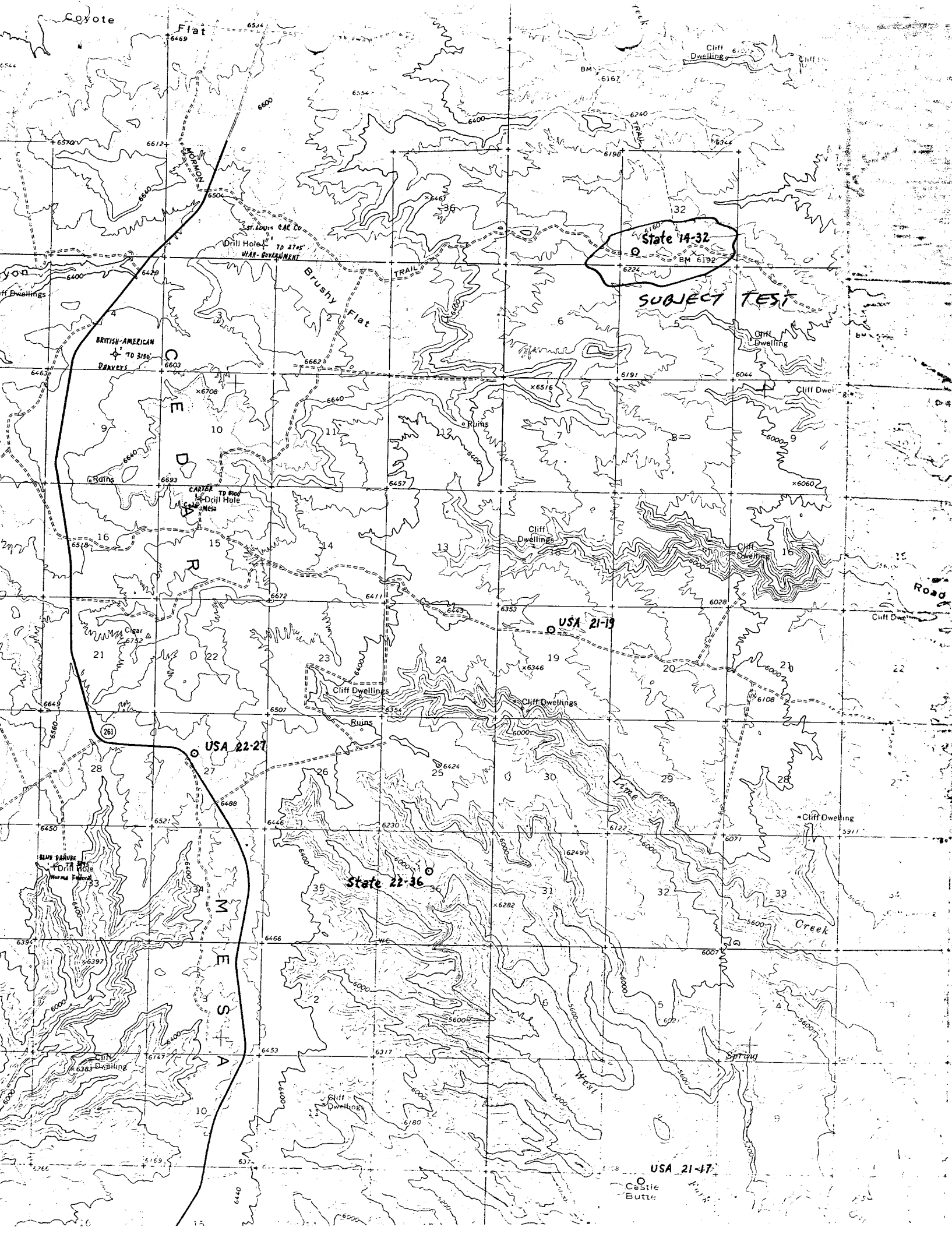
OBJECTIVE: Desert Creek

EST. ELEVATION: 6225'

EVALUATION				GEOLOGY		DRILLING		
DRLG. TIME & SAMPLES	ELEC. SURVEYS	MUD LOGGER		SIGNIFICANT FORMATIONS	WELL DEPTH	HOLE SIZE	CASING & CEMENT	MUD PROGRAM
30' samples				Cedar Mesa (surface) 40'			16" Conductor Redimix	
	GR					12¼"		Fresh water mud
				Perm Halgaito 645'				
				Surface set @ 750'			8 5/8" 24# K-55 STC Cement to surface	
2' Drlg times/10' samples			Possible CST in uphole zones above Desert Creek	U. P. Hermosa 1105'			Minimum BOPE 2-MR	Circ reserve pit sweep hole as needed vis as needed
	2-30' cores		2-man logging unit H_2S-CO_2 Detector					
	DIL/GR/SP			UDM P-50 2135'		7 7/8"		
	FDC/CNL/GR/Cal			LDM Desert Creek 2175'				
	MPt/GR/Cal							
	BHC SONIC/ITT/GR/Cal			LDM P-40 2375'				Fresh water mud w/lime
				LDM Paradox 2405'				
				TD 2455'			5½" 14.00# K-55 STC Cement to surface	

1. Possible DLL/MSFL/GR/SP along with the DIL tool if the mud salinity or formation sensitivity is higher than expected.

2. Possible Lost Circulation


Coyote
Flat
Cliff Dwelling
BM 6167
MORMON
ST. LOUIS CAR CO
Drill Hole
TD 2705'
UTAH-GOVERNMENT
Brushy Flat
TRAIL
State 14-32
BM 6192
SUBJECT TEST
BRITISH-AMERICAN
TD 3150'
DRAKES
Cliff Dwelling
Ruins
CARTER
TD 6000
Drill Hole
Cliff Dwellings
USA 21-19
Cigar
USA 22-27
261
Cliff Dwellings
Ruins
State 22-36
Little
Cliff Dwelling
BLUE DANUBE
Drill Hole
Horse Valley
MESA
Creek
West
Spring
USA 21-47
Castle
Butte
Road

CONFIDENTIAL

** FILE NOTATIONS **

DATE: June 28, 1982

OPERATOR: Shell Oil Company

WELL NO: State A-32

Location: Sec. SWSW 32 T. 38S R. 19E County: San Juan

File Prepared: ✓ Entered on N.I.D:

Card Indexed: Completion Sheet:

API Number 43-037-30795

CHECKED BY:

Petroleum Engineer:

Director:

Administrative Aide: As Per Rule C-3

APPROVAL LETTER:

Bond Required: ✓ Survey Plat Required:

Order No. O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation State Plotted on Map ✓

Approval Letter Written

Hot Line ✓ P.I. ✓

June 30, 1982

Shell Oil Company
P.O. Box 831
Houston, Texas 77001

Attn: G. M. Jobe
Room 5468 WCK

RE: Well No. State #14-32
Sec. 32, T38S, R19E
San Juan County

Insofar as this office is conerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30795.

Sincerely,

RONALD J. FIRTH
CHIEF PETROLEUM ENGINEER

RJF:SC
cc: State Lands
Enclosure

Shell Oil Company

P.O. Box 831
Houston, Texas 77001

August 9, 1982

Confidential

Mr. Michael T. Minder, Geological Engineer
State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84116

Dear Mr. Minder:

SHELL-STATE 14-32
SECTION 32, T38S-R19E
SAN JUAN COUNTY, UTAH

As follow-up to the telephone conversation between Norm Stout of your office and Barbara Bernard of our office on August 9, 1982 whereby you were given verbal notification of the spud date of subject well, this is written notification that State 14-32 spudded August 7, 1982.

Yours very truly,

G. M. Jobe

G. M. Jobe
Administrator, Regulatory-Permits
Rocky Mountain Division

beb

RECEIVED
AUG 12 1982
DIVISION OF
OIL, GAS & MINING

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$ M/$240M
WI - 60%
GR 6210'

Status: MIRT.
Will move in derrick & sub base today.

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$ 63M/$240M
WI - 60%
GR 6210'

8-7-82
Status: RURT. 80% rigged up.

8-8-82
127/73//1. Status: Drilling.
Spud at 5:30 PM, 8-7-82.
Location: 685' FSL & 645' FWL
Section 32, T38S-R19E
San Juan County, Utah

8-9-82
159/32//2. Status: W. O. cement.
Reweld collar on conductor - weld cracked.
Re-cement conductor - cmt cracked. Place 15 sx plug of Class "B" w/3% $CaCl_2$ inside conductor, 10' above shoe. Pumped 35 sx down backside of conductor. CIP 1:15 AM, 8-9-82.

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$ 71M/$240M
WI - 60%
GR 6210'
16" csg @ 39'

159/0//3. Status: W. O. cement.
Cmt around conductor pipe w/4 yards Redi-Mix.
W.O. cmt.

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$ 88M/$240M
WI - 60%
GR 6210'
16" csg @ 39'

256/97//4/12. Status: Drilling.
At 10 PM, 8-10-82, mud started leaking around conductor at about 1 BPH, slowly increasing to 3 BPH at 6 AM, 8-11-82.
Dev: $1/2^{\circ}$ at 201'.
Mud: 8.4

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$ 95M/$240M
WI - 60%
GR 6210'
16" csg @ 39'

683/427//5/12. Status: Drilling.
Dev: $3/4^{\circ}$ at 530'
Mud: 8.5 x 27

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$124M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

748/65//6/12. Status: Nipple up BOPE.
Ran 19 jts of 8-5/8" csg to 747'. Cmt 1st stage w/240 sx Lite w/2% CaCl2, 1/4#/sx Flocele. Cmt 2nd stage w/150 sx Class "H" w/2% CaCl2.
Dev: 1/2° at 748'
Mud: 8.6 x 27

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$158M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

8-14-82
1028/280//7/12. Status: Drilling.
Mud: (.442) 8.5 x 27

8-15-82
1752/724//8/12. Status: Survey.
Dev: 1/2° at 1224; 1/2° at 1722'
Mud: (.442) 8.5 x 27

8-16-82
2250/498//9/12. Status: Survey.
Dev: 1/4° at 2250'
Mud: (.457) 8.8 x 29 x 14

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$170M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

2465/215//10/12. Status: Circ. for logs.
Cored from 2300-2330' - cut 30', rec. 30'.
Mud: (.447) 8.6 x 28 x 25

AUG 17 1982

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$187M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

2465/0//11/12. Status: Logging.
Ran DLL/MSFL/SP/GR/CAL; FDC/CNL/GR/CAL.
Ran BHC/ITT/GR/CAL - tool failed. Changed out tools and ran log again.
Dev: 3/4° at 2465'
Mud: (.468) 9 x 32 x 12.6

UTAH

MONUMENT UPLIFT
Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$193M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

2465/0//12/12. Status: Running RFT tool.
Ran BHC/ITT/DIL/SP/GR/CAL log.

AUG 19 1982

UTAH

MONUMENT UPLIFT

Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$220M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

Corr. depth 2470/0//13/12. Status: W.O. DST tools.

UTAH

MONUMENT UPLIFT

Shell-State 14-32
(WC) Brk Signal #79
2455' Desert Creek Test
$243M/$240M
WI - 60%
GR 6210'
16" csg @ 39'
8-5/8" csg @ 747'

8-21-82
2470/0//14/12. Status: Circulating.
DST #1 - 2218-2245'. No recovery from sample chamber.

8-22-82
TD 2470/0//15/12. Status: Plug & abandon.
Set plugs as follows:

Plug #1	2295-2115	60 sx Class "H"
Plug #2	847-647	85 sx Class "H"
Surface		10 sx

Rig released at 4:00 PM on 8-21-82
Cost $243,436

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

NAME OF COMPANY: Shell Oil Company

WELL NAME: State 14-32

SECTION SWSW 32 TOWNSHIP 38 S RANGE 19 E COUNTY San Juan

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 79

SPUDDED: DATE 8-7-82

TIME 5:30 PM

HOW ROTARY

DRILLING WILL COMMENCE

REPORTED BY Barbara Bernard

TELEPHONE # 713-870-3218

DATE 8-9-82 SIGNED NORM S.

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Shell Oil Company

3. ADDRESS OF OPERATOR: P. O. Box 831, Houston, TX 77001, ATTN G. M. Jobe, 5468 WCK

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 685' FSL & 645' FWL, Section 32

5. LEASE DESIGNATION AND SERIAL NO.: ML 31340

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: 14-32

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/4 SW/4 Section 32 T38S-R19E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6210' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)							

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Verbal approval given to P&A.

Set plugs as follows on 8-21-82 per attached prognosis.

Plug #1	2295-2115	60 sx Class "H"
Plug #2	847-647'	85 sx Class "H"
Surface		10 sx

Released rig at 4:00 PM on 8-21-82

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8/27/82
BY: [signature]

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

SIGNED: G. W. Kerr TITLE: Manager Production Administration DATE: 8-23-82

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Plug and Abandonment Procedures
Shell State 14-32

8 5/8" 24# @ 747' - Surface
Cement to surface
7 7/8" hole to 2465'

1. Trip in the hole open-ended with drill pipe

2. Circulate mud, bottoms up.

3. Set the following plugs with Class "H" cement, 2½ - 3 hours estimated pumpability. Use balanced plug method. Pump 10 bbls of a fresh water preflush, and adequate fresh water behind to balance the plug.

±2175' - Desert Creek - 180' of fill up across the formation, 50 sack minimum based on 7 7/8" hole. Verify formation top with logs.
(Base of plug @ 2265 and top of plug @ ±2085)

747' casing shoe - 200+' of fill up 70 sack minimum ½ in and ½ out of the surface casing.

Surface 10 sack plug

4. Use caliper log to estimate hole size.

5. Cut surface casing at least four feet below ground level. Weld on plate with well name and operator as marker.

6. Inform State of Utah Natural Resources and Energy, Oil Gas and Mining. Phone numbers:

Ronald J. Firth - Engineer	or	Cleon B. Feight - Director	
Office:	801-533-5771	Office:	801-533-5771
Home:	801-571-6068	Home:	801-466-4455

8/17
Recommended by K. Wilcken

Approved: J. D. D'Agostino 8/18/82
Drilling Superintendent

Form OGCC-3

13

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: M- 31340

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: 14-32

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SW/4 SW/4 Section 32 T38S-R19E

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

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other P&A

2. NAME OF OPERATOR: Shell Oil Company

3. ADDRESS OF OPERATOR: P. O. Box 831, Houston, TX 77001, ATTN G. M. Jobe, 5468 WCK

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface: 685' FSL & 645' FWL, Section 32

At top prod. interval reported below

At total depth

14. PERMIT NO.: 43-037-30795 DATE ISSUED: 6-29-82

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
8-7-82	8-19-82	P&A	6210' GR	

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
2470	NA		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: NA - P&A

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL/MSFL/SP/GR/CAL FDC/CNL/GR/CAL BHC/ITT/GR/CAL

27. WAS WELL CORED: Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		39'			
8-5/8"		747'		240 sx Lite; 150 sx "H"	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*): NA

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33.* PRODUCTION

DATE FIRST PRODUCTION: P&A

PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*):

WELL STATUS (*Producing or shut-in*): P&A

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: See attached drilling history

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

SIGNED: D. W. Key TITLE: Manager Production Administration DATE: 8-23-82

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

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.
			Core #1 2300-2330' - Recovered 30'
Desert Crk	2218	2245	DST #1 Rec. drilling mud

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Cedar Mesa	Surface	
Halgaito	752	
U. Hermosa	1288	
P-50 Shale	2170	
Desert Creek	2205	
P-40 Shale	2370	
Pre-Desert Creek	2404	

PRELIMINARY REPORT

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

SHELL OIL COMPANY
SHELL STATE 14-32
MONUMENT UPLIFT
SAN JUAN COUNTY

FORMATION : DESERT CREEK
DRLG. FLUID: WBM
LOCATION : SW SW SEC. 32-38S-19E
STATE : UTAH

DATE : 8-17-82
FILE NO. : RP-3-3224
ANALYSTS : GG/DS
ELEVATION: 6224 KB

CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
1	2300 -1	0.29		* 14.3	0.0	82.4	2.83	DOL-LT BRN ERTY,FN XLN
2	2301 -2	0.79		14.9	0.0	85.6		DOL-LT BRN ERTY,FN XLN
3	2302 -3	0.89		16.2	0.0	86.1		DOL-LT BRN ERTY,FN XLN
4	2303 -4	0.43		* 13.2	0.0	71.5	2.83	DOL-LT BRN ERTY,FN XLN
5	2304 -5	4.0		17.6	0.0	89.3		DOL-LT BRN ERTY,FN XLN
6	2305 -6	1.1		19.5	0.0	88.7		DOL-BRN,ERTY,FN XLN
7	2306 -7	<0.01		* 15.3	0.0	74.0	2.81	DOL-BRN,ERTY,FN XLN
8	2307 -8	<0.01		11.0	0.0	87.2		DOL-BRN,ERTY,FN XLN
9	2308 -9	0.42		* 15.9	0.0	89.0	2.84	DOL-BRN,ERTY,FN XLN
10	2309-10	0.74		17.4	0.0	81.7		DOL-BRN,ERTY,FN XLN
11	2310-11	0.22		7.0	0.0	82.2		DOL-BRN,FN XLN
12	2311-12	<0.01		* 4.6	0.0	79.2	2.80	DOL-DK GR,FN XLN
13	2312-13	<0.01		0.7	0.0	66.2		LM-LT GR,FN XLN,ANHY
14	2313-14	<0.01		1.2	0.0	56.4		LM-LT GR,FN XLN,ANHY
15	2314-15	<0.01		* 3.4	0.0	88.4	2.79	LM-LT GR,FN XLN,ANHY
16	2315-16	<0.01		0.9	0.0	69.7		LM-LT GR,FN XLN,ANHY
17	2316-17	<0.01		2.6	0.0	83.8		LM-LT GR,FN XLN,ANHY
18	2317-18	0.01		1.7	0.0	88.1		LM-LT GR,FN XLN,ANHY
19	2318-19	<0.01		1.5	0.0	87.8		LM-LT GR,FN XLN,ANHY
20	2319-20	<0.01		* 2.6	0.0	72.2	2.75	LM-LT GR,FN XLN,ANHY
21	2320-21	<0.01		1.3	0.0	80.7		LM-LT GR,FN XLN,ANHY
22	2321-22	<0.01		1.8	0.0	83.4		LM-LT GR,FN XLN,ANHY
23	2322-23	0.01		2.6	0.0	81.7		LM-LT GR,FN XLN,ANHY
24	2323-24	0.01		3.6	0.0	88.9		LM-LT GR,FN XLN,ANHY
25	2324-25	<0.01		* 3.2	0.0	92.6	2.76	LM-LT GR,FN XLN,ANHY

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DIVISION OF
OIL, GAS & MINING

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CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

SHELL OIL COMPANY
SHELL STATE 14-32
MONUMENT UPLIFT
SAN JUAN COUNTY

FORMATION : DESERT CREEK
DRLG. FLUID: WBM
LOCATION : SW SW SEC. 32-38S-19E
STATE : UTAH

DATE : 8-17-82
FILE NO. : RP-3-3224
ANALYSTS : GG;DS
ELEVATION: 6224 KB

CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
26	2325-26	<0.01		* 4.1	0.0	92.0	2.76	LM-LT GR,FN XLN,ANHY
27	2326-27	<0.01		2.0	0.0	86.1		LM-LT GR,FN XLN,ANHY
28	2327-28	<0.01		1.3	0.0	50.1		LM-LT GR,FN XLN,ANHY
29	2328-29	<0.01		3.2	0.0	91.9		LM-LT GR,FN XLN,ANHY
30	2329-30	0.03		* 3.0	0.0	74.3	2.72	LM-LT GR,FN XLN,ANHY

* REPRESENTS BOYLE'S LAW POROSITY

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Form OGC-1b

CONFIDENTIAL

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Shell Oil Company

3. ADDRESS OF OPERATOR: P. O. Box 831, Houston, TX 77001, ATTN G. M. Jobe, 5468 WCK

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 685' FSL & 645' FWL, Section 32

5. LEASE DESIGNATION AND SERIAL NO.: ML 31340

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: 14-32

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/4 SW/4 Section 32 T38S-R19E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: API 43-037-30795

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6210' GR

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Monthly Well Status Report			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

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.)*

Spud on 8-7-82 at 5:30 PM. Set 8-5/8" casing at 747' on 8-12-82. Drilled to a total depth of 2470'. Plugged and abandoned. Rig released on 8-21-82.

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SEP 03 1982
DIVISION OF
OIL, GAS & MINING

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

SIGNED S. M. Jobe TITLE Administrator ~~Regulatory-Permits~~ DATE 8-31-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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.

FILE IN TRIPLICATE
FORM OGC-8-X

56 64 03

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DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number STATE 14-32

Operator SHELL OIL COMPANY Address P.O. BOX 831 HOUSTON, TX. 77001

Contractor BRINKERHOFF / SIGNAL Address ROUTE 3, BOX 445 FARMINGTON, N.M. 87401

Location SW ¼ SW ¼ Sec. 32 T. 38 S R. 19E County SAN JUAN

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.				
2.	NO WATER SANDS ENCOUNTERED			
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

P & C

Remarks

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

ORAL APPROVAL TO PLUG AND ABANDON WELL

CONFIDENTIAL

Operator SHELL OIL COMPANY Representative Roy Domango

Well No. State 14-32 Location SW ¼ SW ¼ Section 32 Township 38S Range 19E

County San Juan Field _____ State Utah

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 2470' Size hole and Fill per sack ____" ____' Mud Weight and Top ____ #/gal. ____' ____

Casing Size	Set At	Top of Cement	To Be Pulled
8 5/8"	747	surface	

Formation	Top	Base	Shows

Plugging Requirements

	From	To	Sacks Cement
1.	2295'	2115'	180' (60 sxs)
2.	847'	647'	200' (85 sxs)
3.	Surface		10 sxs.

Heavy mud between plugs.

REMARKS

DST's, lost circulation zones, water zones, etc., _____

Will not leave marker above ground level.

Approved by C. B. Feight Date 8-20-82 Time _____ a.m. p.m.

CORE ANALYSIS RESULTS

for

SHELL OIL COMPANY

SHELL STATE 14-32 WELL
MONUMENT UPLIFT FIELD
SAN JUAN COUNTY, UTAH

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DIVISION OF
OIL, GAS & MINING

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

SHELL OIL COMPANY
SHELL STATE 14-32
MONUMENT UPLIFT
SAN JUAN COUNTY

FORMATION : DESERT CREEK
DRLG. FLUID: WBM
LOCATION : SW SW SEC. 32-38S-19E
STATE : UTAH

DATE : 8-17-82
FILE NO. : RP-3-3224
ANALYSTS : GG/DS
ELEVATION: 6224 KB

CONVENTIONAL CORE ANALYSIS

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1	2300 -1	0.29		*14.3	0.0	82.4	2.83	DOL-LT BRN ERTY,FN XLN
2	2301 -2	0.79		14.9	0.0	85.6		DOL-LT BRN ERTY,FN XLN
3	2302 -3	0.89		16.2	0.0	86.1		DOL-LT BRN ERTY,FN XLN
4	2303 -4	0.43		*13.2	0.0	71.5	2.83	DOL-LT BRN ERTY,FN XLN
5	2304 -5	4.0		17.6	0.0	89.3		DOL-LT BRN ERTY,FN XLN
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8	2307 -8	<0.01		11.0	0.0	87.2		DOL-BRN,ERTY,FN XLN
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12	2311-12	<0.01		*4.6	0.0	79.2	2.80	DOL-DK GR,FN XLN
13	2312-13	<0.01		0.7	0.0	66.2		LM-LT GR,FN XLN,ANHY
14	2313-14	<0.01		1.2	0.0	56.4		LM-LT GR,FN XLN,ANHY
15	2314-15	<0.01		*3.4	0.0	88.4	2.79	LM-LT GR,FN XLN,ANHY
16	2315-16	<0.01		0.9	0.0	69.7		LM-LT GR,FN XLN,ANHY
17	2316-17	<0.01		2.6	0.0	83.8		LM-LT GR,FN XLN,ANHY
18	2317-18	0.01		1.7	0.0	88.1		LM-LT GR,FN XLN,ANHY
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24	2323-24	0.01		3.6	0.0	88.9		LM-LT GR,FN XLN,ANHY
25	2324-25	<0.01		*3.2	0.0	92.6	2.76	LM-LT GR,FN XLN,ANHY

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SHELL OIL COMPANY
SHELL STATE 14-32
MONUMENT UPLIFT
SAN JUAN COUNTY

FORMATION : DESERT CREEK
DRLG. FLUID: WBM
LOCATION : SW SW SEC. 32-38S-19E
STATE : UTAH

DATE : 8-17-82
FILE NO. : RP-3-3224
ANALYSTS : GG;DS
ELEVATION: 6224 KB

CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. FLD.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
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28	2327-28	<0.01		1.3	0.0	50.1		LM-LT GR,FN XLN,ANHY
29	2328-29	<0.01		3.2	0.0	91.9		LM-LT GR,FN XLN,ANHY
30	2329-30	0.03		* 3.0	0.0	74.3	2.72	LM-LT GR,FN XLN,ANHY

2300-2312 - WATER PRODUCTIVE WHERE PERMEABLE
2312-2330 - NON-PRODUCTIVE DUE TO LOW PERMEABILITY

* REPRESENTS BOYLES LAW HELIUM POROSITY

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CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

JOB NO.	RP-3-3224	
FORMATION	DESERT CREEK	
DEPTH INTERVAL	2300	2330
INTERVAL THICKNESS (FEET)	30	
FEET INCLUDED IN AVERAGE	30	
TOTAL PERMEABILITY	9.11	
AVERAGE PERM ARITHMETIC	0.30	
AVERAGE PERMEABILITY GEOMETRIC	0.04	
TOTAL POROSITY	207.6	
AVERAGE POROSITY	6.9	
AVERAGE B/A-F	536.9	
TOTAL OIL SATURATION	0.0	
OIL SATURATION ARITHMETIC AVER.	0.0	
OIL SATURATION POR. AVER.	0.0	
TOTAL WATER SATURATION	2431.2	
WATER SAT. ARITHMETIC AVERAGE	81.0	
WATER SAT. POR. AVER.	83.5	

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CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY	SHELL OIL COMPANY	FIELD	MONUMENT UPLIFT	FILE	RP-3-3224
WELL	SHELL STATE 14-32	COUNTY	SAN JUAN	DATE	8-17-82
LOCATION	SW,SW SEC.32-38S-19E	STATE	UTAH	ELEV.	6224 KB

CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG
(PATENT APPLIED FOR)

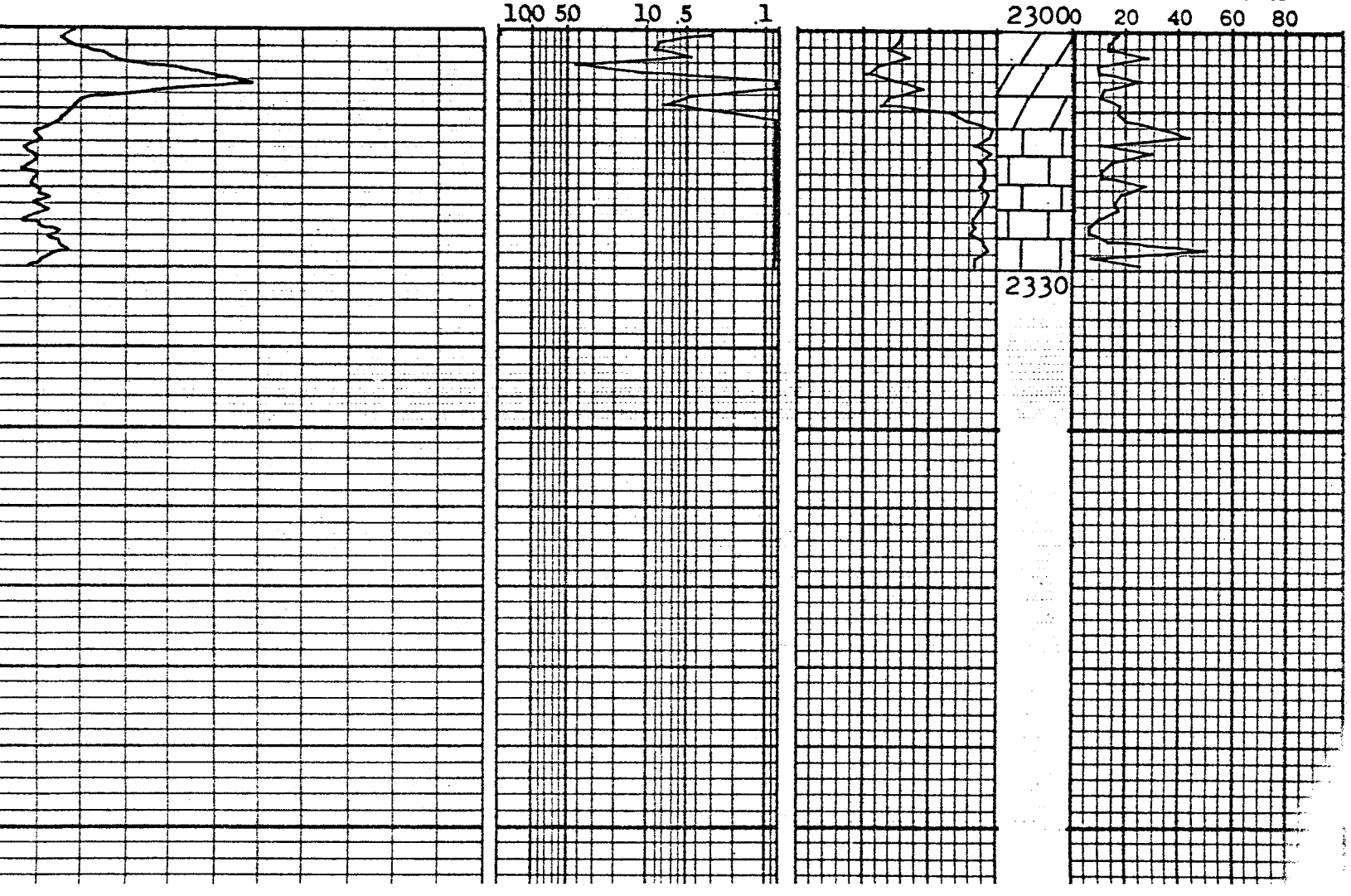
GAMMA RAY
RADIATION INCREASE →

COREGRAPH

TOTAL WATER ——
PERCENT TOTAL WATER
80 60 40 20 0

DESERT CREEK FORMATION

PERMEABILITY ——
MILLIDARCYS
100 50 10 5 1

POROSITY ——
PERCENT
23000

OIL SATURATION - - - - - -
PERCENT PORE SPACE
20 40 60 80