



JOHN C. LAMB & COMPANY, INC.
PETROLEUM CONSULTANTS



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**MERIDIAN OIL, INCORPORATED
POWELL PARK FIELD
13-23 BUCKSKIN MESA UNIT
Section 23, T-1N, R-95W
2600' FSL, 725' FWL
Rio Blanco County, Colorado
KB 6262'**

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RESUME

Operator: Meridian Oil, Incorporated

Well Name and Number: 13-23 Buckskin Mesa Unit

Field: Powell Park

Location: Section 23 (2600' FSL & 725' FWL), T-1N, R-95W

County and State: Rio Blanco, Colorado

Elevation: GL: 6250', KB: 6262'

Spud Date: November 20, 1994

Completion Date: November 23, 1994

Hole Sizes: 8 3/4": 50-387'; 6 1/4": 387-1870'

Casing Data: 7" 20 lb/ft, set at 380'

Logging Data: DSN/CDL/DIL/BHC/GR/CAL; HLS, Vernal

Development Geologist: Ward Whiteman

Drilling Foreman: Charlie Byarly

Wellsite Geologist: John C. Lamb

Contractor: Elenburg, Rig 15

Tool Pusher: Bert Huntington

Mud Type: Chem-Gel

Mud Company: Bariod

Drilling Days: 4

Rotating Hours: 49 1/4

Bottom Formation: Lower Wasatch

Status: Dry and Abandoned

BIT RECORD

BIT #	SIZE	TYPE	IN	OUT	FOOTAGE	HOURS	JETS
1	8 3/4"	ATJ15 (RR)	40'	387'	347'	6	14-14-14
2	6 1/4"	HP12 (RR)	387'	1724'	1337'	36 1/2	14-14-14
3	6 1/4"	S3J	1724'	1870'	146'	8 3/4	open

SURVEYS

352 1	1357 1
862 1	1870 1 1/2

DAILY CHRONOLOGY

DAYS OVER HOLE	DATE	8AM MST DEPTH	24 HOUR FOOTAGE	DAILY ACTIVITY
1	November 20	40'	0'	Finish MIRU, wait on water, spud at 16.00, drlg, WLS, drlg, circ, run and cem 7",
2	November 21	387'	347'	Cem 7" with 64 sx cem, PD at 00.15, WOC, NU, pressure test stack, drlg, cem & shoe, RU for air, unload hole, attempt to blow hole dry, RU for mud, drlg
3	November 22	1112'	725'	Drlg, WLS, drlg, WLS, drlg
4	November 23	1724'	612'	Drlg, TFB at 1724, drlg, work ball on new bit, drlg, TD at 19.00, circ & ST 10 stds, circ, TF logs, RU & run logs, tool hit bridge, RD loggers, TIH and wash bridges, circ, TF logs, logging, plug
5	November 24	1870'	146'	RD loggers, TIH, wash & ream bridges, circ, TF logs, logging, LD DC & DP, plug, LD DP

LOST CIRCULATION INTERVALS

No mud was lost.

MUD REPORTS

Date	Nov 21	Nov 22	Nov 23
Depth	387'	1169'	1720'
Weight	8.7	9.1+	10.0
Funnel Viscosity	30	36	57
Plastic Viscosity	3	9	27
Yield Point	1	7	31
Gel Strengths	0/0	1/3	4/31
Water Loss	11.6	6.4	6.2
Filter Cake	2/32	2/32	2/32
Solids	2.8	6	12.5
Sand	tr	1/4	1/4
pH	9.0	8	7
Alkalinity Pf/Mf	.2/.7	.1/	NA
Chlorides	450	900	600
Calcium	120	90	80

SUMMARY

The MOI 13-23 Buckskin Mesa Unit was drilled as a development well at Powell Park Field, at which fluvial sandstones within the Upper Wasatch are gas productive. The location was selected primarily upon the basis of interpretation of seismic data and it was situated a mile north of the existing field limits.

No hydrocarbon shows were encountered during the surface or main sections of the hole. Little to no formation gas was detected over the majority of the hole. A twenty unit increase, over a one unit background, was lagged to 1610-1635' (driller's depth). A sandstone, which was well represented in the samples, was lagged to the interval. Description: large increase in unconsolidated grains; semi translucent to clear, lower to upper coarse grain, sub round, fair sorted, frequently with clay filling on grain faces; smaller clusters were also present: off white to semi translucent, upper fine to medium grain with occasional coarse grain, sub round, generally poorly sorted, fair sorted in part, generally poorly consolidated, friable to firm, well filled with white clay matrix. Neutron density logs did not register crossover through this interval nor any other interval in the hole.

Production casing was not set. The hole was plugged subsequent to open hole logging operations.

SAMPLE DESCRIPTIONS

Unlagged Sample Depths

50-60	Ss lrg'r & sml'r clus: lt gysh wh vfg-fg pr srted pr cons fn carb clasts Sh ochre lav lt gy
60-90	Ss decr chng: yel-wh & lt gysh wh vfg-fg gen /incrly arg mtx Sh vari col AA
90-120	Sh pred ochre blkly-plty gen vsdy & grds to varg SS
120-150	No Sample
150-180	Ss chng: def incr lrg'r clus off wh-smi trns l.u.fg-l.mg ang-sb ang pr-fr srted prly cons fri freq Kspar grns sli cly fld occ cln /fr poro NSFOC
180-210	Sh ochre plty-sb blkly pred sdy
210-240	Sh cont'd ochre bec decrly sdy Ss lrg'r clus wh u.fg-l.fg freq slty pr-w cons NSFOC
240-270	Ss cont'd amt chng: sml'r & lrg'r clus smi trns l.u.fg-l.mg sb ang pr-fr srted fr cons fri carb clasts gen sli-mod cly fld occ cln app /fr-g poro NSFOC
270-300	Sh ochre plty-sb blkly fn-occ sdy Ss AA /gen decr amt
300-330	Sh ochre lav lt gy Ss sm amt lrg'r clus lt gy vfg arg
330-360	Ss def incr chng: lrg'r clus wh-lt gysh wh l.-u.vfg pr-fr srted fr-g cons fri-brit sli-mod cly fld rrlly cln app NSFOC
360-390	Ss sm decr amt AA Sh ochre lav plty fn-sdy
390-400	Ss lrg incr sml'r & lrg'r clus wh-smi trns l.fg-l.mg sb rnd pr-vpr srted fr-pr cons vfri mod-hvy cly fld /freq uncon mg NSFOC abdt carb wood frags freq /dism pyr
400-430	Sh ochre & lt gy plty sft fn txt
430-460	Sh cont'd
460-490	Sh cont'd Ss sm amt lrg'r clus wh vfg-l.fg fr cons frm gen /hvy cly mtx
490-520	Ss cont'd amt lrg'r clus off wh vfg-l.fg Sh ochre & lt gy freq vbentic
520-550	Sh AA Ss def decr
550-580	Sh ochre plty sft fn txt freq sdy
580-610	Sh ochre lt gy /occ lav plty-flky fn txt freq vbentic
610-640	Sh ochre & lt gy plty fn txt occ vslty
640-670	Sh ochre & lt-m gy gen fn txt
670-700	Sh ochre lav lt gy blkly-plty sft-frm fn txt
700-730	Sh ochre plty-sb blkly sft gen mod sdy
730-760	Sh ochre gen vbentic
760-790	Sh incr lt gy & lav gen flky fn txt /cont'd ochre AA
790-820	Sh cont'd vari col chng: sme m-dk gy blkly fn txt sli carb
820-850	Sh ochre plty sft-frm sli slty
850-880	Sh pred ochre plty sft /sme lav flky fn txt sli frm
880-910	Sh ochre & lav AA
910-940	Sh lav lt gy ochre flky-plty sft-frm
940-970	Sh vari col flky-plty fn txt loc slty-sdy Ls tr buf vfxl dns brit sli sdy
970-1000	Sh pred ochre-lt gy mot blkly-flky vfn txt occ m-dk gy flky sli carb
1000-1030	Sh lt gy & ochre flky gen sli-vsdy Ss sm amt lrg'r clus lt gysh vfg-l.fg fr-w srted pr cons frm-brit sli sft i.p.
1030-1060	Sh lt gy & ochre loc vsdy Ss gen AA bec incrly arg tr clus hvy Kspar grns
1060-1090	Sh vari col lt gy lt gn ochre lav flky-sb blkly fn txt loc sdy
1090-1120	Sh ochre & lt gn flky gen fn txt loc vbentic
1120-1150	Sh vari col AA Ss sm amt lrg'r clus: lt gysh wh vfg-u.fg pr srted pr-fr cons arg

1150-1180 Ss incr lrg'r clus u.fg pr-vpr srted fr cons gen /arg mtx
 1180-1210 Sh vari col flky-blky fn txt loc vsdy
 1210-1240 Sh ochre & lt gy flky-plty fn txt incrly sdy
 1240-1270 Sh lt gy flky sb wxy occ sdy
 1270-1300 Ss lrg'r clus: lt gyvfg-l.fg fr-g srted pr-fr cons sft-sli brit gen /arg mtx & tite app
 NSFOC
 1300-1330 Sh vari col blky-flky fn-sli slty Ss decr
 1330-1360 Sh AA
 1360-1390 Sh vari col blky-plty fn-vfn txt
 1390-1420 Sh chng: vari col flky-plty gen sdy-vsdy i.p.
 1420-1450 Sh chng: pred lt bnsh gy-lt gy plty-blky vfn txt
 1450-1480 Sh vari col lt-m gy ochre lav flky vfn txt loc sdy
 1480-1510 Sh vari col AA Ss scat uncon: clr l.fg sb ang
 1510-1540 Sh cont'd AA Ss sm amt lrg'r clus lt gysh wh fg-vfg pr srted fr cons /arg mtx sme
 fri cly fld pr poro NSFOC
 1540-1570 No Sample
 1570-1600 Sh vari col fn-rgh txt Ss def decr
 1600-1630 Ss lrg incr uncon smi trnsd-clr l.-u.cg sb rnd fr srted freq /cly fill on grn faces &
 freq sml'r clus off wh-smi trnsd u.fg-mg-occ cg sb rnd gen pr srted fr srted i.p. gen
 pr cons fri-frm cly mtx NSFOC
 1630-1660 Sh chng: pred lt gy flky fn-vslty Ss decr chng: lrg'r clus lt gy vfg-slt pr cons sli
 frm-sft i.p. gen arg
 1660-1690 Sh vari col flky-blky freq sdy Ss sm amt lrg'r clus /arg mtx AA
 1690-1723 Sh lt gy lt gn ochre lav flky-plty fn txt freq sli rgh app & sli sdy
 1723-1750 Sh vari col flky-blky fn txt loc vsdy tr dk gy carb
 1750-1765 Sh vari col pred lt gy loc sdy-vsdy Ss sli tr lrg'r clus lt gysh wh vfg cly mtx
 1765-1780 Sh vari col fn txt freq bentic
 1780-1810 Sh m-dk gy ochre lt gn flky fn txt vfreq sdy
 1810-1840 Sh vari col pred lt-m-dk gy blky-flky vfn txt fn carb decr Ss sli tr uncon clr fg
 sb ang /sli tr sml'r clus: smi tnsd u.fg sb rnd pr-fr cons fri cly fld
 1840-1870 Sh vari col AA Ss decr