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UNION PACIFIC RESOURCES COMPANY
OTTAWA PROSPECT
#1 Ottawa 44-19
Section 19, T-14S, R-51W
1250' FSL, 1150' FEL
Cheyenne County, Colorado
KB 4696'

ALL

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WORLD OIL & GAS CORP. CON

RESUME

Operator: Union Pacific Resources Company

Well Name and Number: #1 Ottawa 44-19

Prospect: Ottawa

Location: 1250' FEL, 1150' FEL, Section 19, T-14S, R-51W

County and State: Cheyenne County, Colorado

Elevation: GL: 4687', KB: 4696'

Spud Date: March 23, 1993

Completion Date: April 4, 1993

Hole Sizes: 12 1/4": 0-515'; 7 7/8": 515'-6225'

Casing Data: 8 5/8" set at 512'

Logging Data: DIL/DSN/SDL/GR/CAL, BHC/GR/CAL,; HLS, Liberal

Exploration Geologist: Mark P. Germinario

Drilling Foreman: Jack Parrott

Wellsite Geologist: John C. Lamb

Contractor: Murfin, Rig 25

Tool Pusher: Gus Schwartz

Mud Type: Poly-Gel

Mud Company: Bariod, Rich Steinbrink

Drilling Days: 12

Rotating Hours: 184

Bottom Formation: Spergen

Status: Dry and Abandoned

FORMATION TOPS AND CORRELATION

	UPRC #1 Ottawa 44-19 SE SE 19-14S-51W Cheyenne Co., Colo KB 4696'	American Public Energy #1 Maurer SW NW 19-14S-51W Cheyenne Co., Colo KB 4698'
DAKOTA	2047(2649)	No Log
CHEYENNE	2320(2376)	No Log
BLAINE SALT	3176(1520)	No Log
STONE CORRAL	3495(1201)	No Log
NEVA	4133(563)	4168(529)
FORAKER	4220(476)	4251(447)
SHAWNEE	4473(223)	4514(184)
HEEBNER	4757(-61)	4796(-98)
TORONTO	4776(-80)	4814(-116)
LANSING	4804(-108)	4845(-147)
MARMATON	5205(-509)	5131(-533)
Pawnee Member	5242(-546)	5266(-568)
Fort Scott Member	5271(-575)	5296(-598)
CHEROKEE	5312(-616)	5346(-648)
ATOKA	5556(-860)	5586(-888)
MORROW	5820(-1124)	5870(-1172)
LOWER MORROW LIMESTONE	6041(-1345)	6092(-1394)
SPERGEN	6136(-1440)	6286(-1588)
TOTAL DEPTH	6219	6219

BIT RECORD

BIT #	SIZE	TYPE	IN	OUT	FOOTAGE	HOURS
1	12 1/4"	FDS	0'	515'	515'	7
2	7 7/8"	S81F	515'	3072'	2557'	42
3	7 7/8"	ATJ11C	3072'	4487'	1415'	49 3/4
4	7 7/8"	RR ATJ22	4487'	5004'	517'	23 3/4
5	7 7/8"	ATJ22	5004'	6225'	1221'	61 1/2

SURVEYS

105 1/4	515 3/4	2516 3/4	4487 1 1/4
197 1/4	1026 1	3171 1 1/2	5004 1 1/4
289 1/4	1523 1/4	3666 2	5555 3/4
380 1/2	2051 1/2	4163 1 1/2	6225 2

DAILY CHRONOLOGY

DAYS OVER HOLE	DATE	8AM CST DEPTH	24 HOUR FOOTAGE	DAILY ACTIVITY
1	March 24	0'	0'	MIRU, spud at 17.30, drlg
2	March 25	515'	515'	Drlg, run & cement csg, plug dwn 08.00, WOC, NU, drlg
3	March 26	1490'	975'	Drlg
4	March 27	2800'	1310'	Drlg, loose PP, TOH, parted DP on TOH, TIH /overshot, retrieve fish, TIH
5	March 28	3192'	392'	Drlg, TOH, TIH, drlg
6	March 29	3885'	693'	Drlg
7	March 30	4487'	602'	Drlg, TFB, drlg
8	March 31	4870'	383'	Drlg, TFB, drlg
9	April 1	5300'	430'	Drlg, CFS, drlg
10	April 2	5705'	405'	Drlg
11	April 3	6155'	450'	Drlg, TD at 11.30, prep for & run logs
12	April 4	6225'	70'	Logging, P & A

MUD REPORTS

Date	3-30	3-31	4-1	4-2	4-3
Depth	4425	4785	5210	5610	6225
Weight	9.1	9.1	9.1	9.1	9.3
Funnel Viscosity	34	40	39	52	57
Plastic Viscosity	-	15	14	21	23
Yield Point	-	10	11	15	17
Gel Strengths	-	4/12	4/11	6/19	6/21
Water Loss	NC	15.8	13.2	9.6	7.4
Filter Cake	NC	2/32	2/32	2/32	2/32
Solids	5 1/2	5 1/2	5 1/2	5 1/2	7 1/4
Sand	1/4	1/4	1/2	1/2	1/4
pH	7.5	9.0	9.0	9.0	9.5
Alkalinity Pf/Mf	-	.15/.20	.15/.30	.20/.40	.20/.40
Calcium	360	160	140	140	120
Chlorides	350	300	350	350	350
LCM	1 1/2	2	3	1 1/2	1 1/2

SUMMARY

The #1 Ottawa 44-19 was drilled on the Ottawa Prospect. The location was selected upon the basis of seismic interpretation.

No Morrow Sandstone development was encountered at this location. However; the structure, as predicted by seismic interpretation, was 38' high to the offset. The Morrow Clastic Interval was 221'.

Minor shows were encountered within the Lansing and Marmaton Formations, and also within a thin Limestone stringer in the basal portion of the Morrow Shale. No Drill Stem Tests were conducted.

SAMPLE DESCRIPTIONS

Unlagged Sample Depths and Log Tops

4410 Sh rdsh orng gy gn
 4420 Sh rd & gy
 4430 Sh rd & gy /incr uncon Ss
 4440 Sh & Ss AA
 4450 Ls wh-buf vfxl-fxl freq fos & vsparry pred brit-fri
 4460 Ls decr Sh abdt vdk-dk gy fn txt cvngs

4470 Sh rdsh orng fn-slty Ls sm amt
4480 Ls buf-off wh vfxl-fxl rthy txt Sh AA
4490 No Sample

SHAWNEE 4473'

4500 Ls buf-lt bnsh gy vfxl dns sli rthy txt loc fxl & dolie vsli arg
4510 Ls buf vfxl-fxl dns vfreq /rthy txt Dol incr buf fxl-mxl dns sli fri
4520 Ls & Dol AA
4530 Ls buf-lt gysh wh vfxl bec incrly dns & decrly dolie Sh tr blk
4540 Sh def incr rd & gy
4550 Sh rd gy gn Ls lt gy-off wh vfxl dns brit sli arg
4560 Sh cont'd hvy tr amt /chng: rdsh bn blkly slty vcalc
4570 Sh cont'd rd gy gn rdsh bn
4580 Ls lt gy-lt rdsh gy micxl-vfxl dns-vdns sli arg
4590 Ls lt gy-off wh gen AA /tr vsparry varg vool Sh incr rd gy gn
4600 Ls chng: bec sdy Ss lt gy-trnsl vfg-fg vcalc loc /mica arg i.p.
4610 Ss cont'd incr amt AA Sh rdsh gy flky
4620 Ls vlt gy micxl vdns brit-vfrm
4630 Ls lt gy micxl vdns sli arg
4640 Ls buf-lt gy vfxl-micxl dns brit loc sli sdy gen vsli arg loc sli ool
4650 Ls gy-lt bn vfxl-micxl dns sli carb pred /rthy txt loc fos
4660 Ls gy-lt bn incrly rgh txt arg Sh sm amt gy & rd /tr blk
4670 Ls off wh-lt gy gen rthy txt loc fos-vfos sli arg
4680 Sh rd & dk gy mod carb i.p.
4690 Ls lt gy-lt bn fxl-vfxl gen /rthy txt sli carb sli arg fos
4700 Sh incr rd & gy Ls cont'd
4710 Sh cont'd hvy amt /tr blk mod carb
4720 Ls lt gy-off wh vfxl dns brit Sh AA /incr blk
4730 Ss fr amt uncon Sh AA
4740 Ls off wh-lt gy vfxl dns brit Sh hvy amt rd & gy /freq blk

Note: Abundant Cavings!

4750 Sh rd gn gy Ls decr
4760 Sh rd gy blk
4770 Sh rd gy
4780 Sh rd gy gn
4790 Sh rd gn gy
4800 Sh rd gy gn
4810 Sh AA Ls sm amt wh-buf vfxl-micxl dns-vdns cln app
4820 Ls cont'd sm amt cln AA

LANSING 4804'

4830 Ls AA /tr vsparry & indist fos Sh rd gy gn /tr blk
4840 Ls sm amt lt gysh wh-buf vfxl-micxl dns sli fos
4850 Ls buf-lt bnsh-lt gysh vfxl-micxl dns /sme fxl vfri-fri dolie
4860 Ls decr Sh rd gy gn
4870 Sh rd gy gn

4880 Ls sm incr wh-off wh-buf vfxl vbrit cln app chky sft i.p.
 4890 Ls incr lt tn-off wh fxl-vfxl brit gen cln Dol sm amt lt tn-bn fxl-mxl
 4900 Ls lt tn-lt gysh wh vfxl-micxl dns sli fos
 4910 Ls lt gy-lt tn vfxl-fxl vfrag app rgh txt sli arg
 4920 Ls chng: bec vsparry & fos gen cln app
 4930 No Sample
 4940 Ls mot gysh-bnsh wh vfxl-fxl sparry-rthy txt gen vfrag
 4950 Sh incr rd gy & gn
 4960 Ls incr wh-gysh wh vfxl-fxl dns loc fos occ chky & sft
 4970 Sh def incr blk /dk gy & rd gn cvngs
 4980 Sh cont'd Ss clr-trnsl fg hvy calc cem vfri Ls gysh-bnsh vfxl-micxl vbrit fos
 4990 Ls & Sh AA Ss decr
 5000 Ls vlt gy-gysh wh vfxl gen rthy txt & frag tr vsparry ool Wkst
 5010 Ls bec mot & arg i.p Sh incr vdk gy mod carb
 5020 Ls mot gysh-wh-gysh bn vfrag occ ool sli arg
 5030 Ls bnsh gy-lt gysh wh fxl-vfxl rgh txt sli arg sli fos decrly frag
 5040 Ls chng: off wh-gysh wh vfxl-fxl sdy-loc vsdy
 5050 No Sample
 5060 Ls lt tn fxl fri sli fos vdolic & grds to Dol
 5070 Sh def incr dk gy & blk mod carb
 5080 Sh cont'd amt vdk gy blk & bnsh blk Ls lt tn-lt gy bec decrly dolic incrly dns
 5090 Sh cont'd sm amt blk Ls lt gy-off wh micxl-vfxl gen dns loc sdy
 5100 Ls chng: lt gy-lt tn fxl-mxl sli frm fri-sft fr-pr-gd intxl poro pos vlt bn oil stn dull spotty
 gn flor f stmg-sb stmg gn ct
 5110 Ls chng: bnsh gy-off wh vfxl-fxl gen incrly dns /decr show AA Sh sm incr blk carb
 5120 Ls lt gysh-bnsh wh vfxl-micxl i.p. bec vdns hd-brit Sh cont'd sm incr blk vcarb
 5130 Ls lt bn-gy vfxl-micxl-fxl dns-vdns sli arg tr vcln sparry & ool
 5140 Ls chng: off wh-buf fxl-vfxl dns brit-sft gen /cln app
 5150 Ls cont'd dns decrly cln app Sh incr rd & gy cvngs
 5160 Ls off wh-buf vfxl gen /rthy txt /cln app Sh rd gy /sm amt blk
 5170 Sh cont'd incr gy's & blk
 5180 Ls chng: buf-off wh pred ool mod-vsparry freq /vpr-pr oolc poro NSOC
 5190 Sh lrg incr gy rd lav vdk gy Ls decr /def decr poro
 5200 Sh cont'd incr
 5210 Sh incr gy & rd cvngs
 5220 Sh rd & gy

MARMATON 5205'

5230 Cht sli tr gysh trnsl Sh cont'd Ls sm incr off wh-lt tn vfxl-micxl dns-brit
 5240 Ls sm amt lt gy-lt tn-off wh vfxl-micxl dns-brit sme fxl vbrit-fri gen sli fos
 5250 Sh incr gy & rd
 5260 Ls tr only buf-off wh micxl dns brit-hd Sh gy & rd tr blk carb
 5270 Sh cvngs AA /tr blk Ls vsm amt AA
 5280 Ls sm incr off wh-lt tn-buf micxl-vfxl tr /fos frags sli tr bri gn flor f stmg gn ct
 5290 Ls cont'd sm incr amt lt tn-lt gy-off wh vfxl dns sli fos sli arg Sh cont'd /pos incr blk-
 vdk gy carb
 5300 Ls cont'd vsm amt Sh cont'd cvngs /def sm incr blk vcarb

Note: Circulating At 5303'

+30 min Sh decr blk /cont'd rd & gy cvngs Ls buf-lt tn-off wh vfxl-micxl dns vbrit-fri gen
cln tr /pr oolm poro NSOC

+45 min Ls off wh-lt gysh wh AA /pos chng: lt bnsh buf-lt bnsh micxl vdns brit

5330 Ls lt gy-lt bnsh vfxl-micxl occ sli frag gen sli fos incrly dns

5340 Ls chng: mot gy-bn & vdk gy vfxl-micxl-fxl rgh txt i.p. bec sli arg sli carb

CHEROKEE 5312'

5350 Sh sm amt blk vcarb dism pyr Ls chng:bnsh fxl-vfxl dns fri-brit cln

5360 Ls off wh-vlt gysh wh vfxl dns gen cln sli-vfos Sh decr rd & gy cvngs Cht hvy tr trns-
wh opq

5370 Ls & Cht cont'd AA

5380 Sh sm incr blk vcarb dism pyr /lrg incr rd cvngs /freq cg uncon Ss

5390 Sh lrg incr blk vcarb Ls sm amt wh fxl vfri vcln app

5400 Sh decr Ls chng: lt gy-bnsh gy vfxl arg

5410 Ls off wh micxl mod sparry sli fos /lt gy AA

5420 Ls cont'd lt'r col sparry fos Sh sm incr blk vcarb

5430 No Sample

5440 Sh cont'd blk/lrg incr rd cvngs

5450 Sh rd gy gn cvngs

5460 Ls lt gysh-bnsh vfxl tr vfrag vbrit gen fos Sh cont'd cvngs

5470 Ls lt gy vfxl-micxl dns-vdns 'sli fos

5480 Ls chng: buf-lt tn vfxl-micxl dns fos gen cln app

5490 Ls sli mot off wh-lt gysh wh fxl-vfxl gen less dns /rthy txt loc vfos vsli arg i.p.

5500 Sh blk vcarb Ls incrly dns & arg

5510 Ls chng: lt gy-lt tn fxl-vfxl rthy txt pred fos

5520 Ls lt gy vfxl incrly dns decrly fos

5530 Sh incr lt-m gy fn txt Ls cont'd lt gy

5540 Sh lt-m gy fn txt Ls sm amt off wh chky-fxl gen /rthy txt /cont'd lt gy

5550 Sh incr m-dk gy /sme blk Ls cont'd cln app bnsh vsparry fos frag Pkst

5560 Sh lrg incr lt-m-dk gy fn txt flky to plty

5570 Sh AA /tr blk vcarb

5580 Sh vdk gy-blk

ATOKA 5556'

5590 Ls incr lt gy-lt bn vfxl-micxl dns brit fos Sh decr

5600 Ls lt gy cont'd bec sli mot i.p.

5610 Ls lt gysh bn-gy vfxl-micxl vdns decrly fos Sh incr m-dk gy /sme blk

5620 Ls chng:gy fos Mdst frm

5630 Sh incr blk vcarb /incr rd cvngs

5640 Ls chng: lt gy vfxl-micxl dns fos Sh cont'd blk

5650 Ls lt gy-lt bn vfxl-micxl fos Sh m-dk gy

5660 Sh incr gy-blk

5670 Ls vlt gy-buf vfxl-micxl dns sparry fos-vfos Sh gy & blk

5680 Sh m-dk gy blk /freq gn & rd cvngs

5690 Ls lt tn-lt gy vfxl-micxl /occ Mdst

5700 Sh incr gn & rd cvngs

- 5710 Ls chng: lt bnsh tn vfxl-micxl dns brit cln app
- 5720 Ls cont'd lt tn AA Sh incr m-dk gy blk
- 5730 Ls chng: m-dk gy vfxl vdns sli carb
- 5740 Sh incr blk vcarb
- 5750 Sh cont'd incr blk /incr rd cvngs
- 5760 Ls lt gy Mdst-dk gy micxl vdns carb Sh blk vcarb m-dk gy sparry fn txt
- 5770 Ls lt tn vfxl m-dk gy Mdst-vfxl carb i.p. bec fnly pyr Sh dk gy-blk vcarb /sm amt lt gn vfn txt sli pyr
- 5780 Ls lt gy-dk gy vfxl-micxl rthy txt fos i.p. vdns & carb i.p.
- 5790 Ls sli mot gy-bn vfxl loc sparry & fos Sh incr blk-vdk gy mod carb occ lt gn-lt gy flky-sb chky sb wxy rrlly /fn carb debr
- 5800 Sh incr blk-vdk gy flky fn txt
- 5810 No Sample
- 5820 Ls tn-lt bn vfxl-micxl brit cln app cvngs lrg incr rd & gn
- 5830 Ls bec decrly cln app Sh hvy amt rd gn /sme gy & blk
- 5840 Sh def incr blk gy fn txt occ lt bn wxy flky lt-m gy fn-sli rgh txt
- 5850 Ls incr m gy Mdst frm Sh gen decr cvngs

Note: Lagged Sample Depths

MORROW SHALE 5820'

- 5836 Sh incr blk & vdkgy fn txt mod carb Ls gysh wh vfxl-Mdst gen rthy txt
- 5854 Sh cont'd sm incr amt blk vcarb dism pyr
- 5866 Sh chng: vsm amt gn & bn wxy /crs carb debr tr lse crs plnt frags
- 5874 Sh gen incr amt lt gn & bn wxy Ls sm incr & chng: off wh fxl rthy txt fos
- 5887 Sh chng: def incr buf & lt bn wxy flky vrrly /carb debr
- 5893 Sh cont'd amt lt'r col /incr amts carb debr occ lse cg qtz
- 5898 Sh admixture lt & dk col's
- 5904 Sh incr lt-m-dk gy occ gysh gn all fn txt tr gysh lav pos Paleosol
- 5912 Sh admixture

Note: After tight connection:

- 5915 Sh lt-m-dk gy fn txt /sm incr rdsh orng Ss vfreq amt uncon: slr-trnsl-rdsh-amber cg-v.cg sb ang cvngs???
- 5921 Sh lt-dk gy gnsh gy gen fn txt /sli decr cvngs & pos sli incr buf wxy flky carb debr Ss tr clus (prob lam) gnsh fg /blk incl hvy calc cem freq glau grns
- 5924 Sh cont'd hvy amt buf-gnsh buf wxy plty-blky pred /dism Pyr occ /carb debr
- 5928 Coal sli tr bn blkgy arg /bldg gas Sh hvy tr lav bn Paleosol /def incr blk flky fn txt occ sli mot /lt gn
- 5934 Sh m-dk gy & gn fn txt
- 5941 Sh admixture lt & dk col's Ss tr clus: wh fg w srtd fr-g cons cly fld
- 5945 Sh admixture /pos incr lt'r col freq tr's lse crs plnt frags
- 5950 Sh lt bn-lt gysh bn vfn-sb wxy sft loc /carb debr
- 5953 Sh lt bn-bnsh gy wxy /incr amts vitr carb debr tr lav gy Paleosol Ss sli tr clus: trnsl fg w srtd fri glau grns /fn Sh clasts
- 5957 Sh pos incr dk gy Ss freq lse grns pos brkn out of non marine shale: clr mg-cg sb ang-sb rnd Ls tr bn gran-rgh txt fos glau
- 5961 Sh admixture /incr lt gn flky sb wxy-sli rgh txt Ss cont'd tr's

- 5968 Sh pos incr dk'r col's Ls tr bn gran-rgh txt fos
 5974 Sh pred gy-gn fn txt /hvy amt buf-bn flky wxy occ /carb debr
 5982 Sh incr dk gy fn txt
 5986 Sh chng: def incr bn-buf-lt gy flky-blky wxy freq /crs crs carb debr tr lse vitr plnt debr
 5990 Sh prob incr dk gy fn txt
 6094 Sh admixture lt & dk col's /incr gn's fn txt
 5998 Sh incr m-dk gy flky fn txt
 6005 Sh chng: incr lt-dk bn & lt gy flky-blky wxy loc /carb debr
 6013 Sh cont'd lt'r col's AA
 6016 Ls hvy tr bnsh mot sb gran-fxl vrgh-rthy txt vfos
 6020 Ls cont'd incr off wh-gysh wh fxl-gran vfrag i.p. sli arg /sli spotty mod bri gn flor f sb
 stmg-mlky gn ct
 6025 Ls /show AA & gen decr amt Sh dk gy & mot gy gn flky-plty fn txt
 6033 Ls decr Sh gy's & gn's flky fn txt
 6039 Ls cont'd sm amt Sh pos chng: incr bn flky wxy carb debr

L. MORROW LIMESTONE 6041'

- 6043 Ls sm incr & chng: off wh-buf micxl-vfxl-frag gen cln app dns sli fos loc varg & vfos
 6045 Ls cont'd /pos incr amt & bec incrly fos scat lse fos frags Sh gy's & gn's rgh-fn-wxy
 txt loc carb dber tr rdsh Paleosol
 6048 Ls cont'd incr (30%) buf-lt gysh wh fxl-vfxl-micxl gen dns brit fos-vfos sm amt bnsh
 gran-fxl sft fos /spaotty bri gn flor wk mlky gn ct
 6053 Ls lrg incr (80%) lt bnsh vfxl-micxl dns brit sli fos-vfos off wh fxl-chky sft
 6059 Ls hvy amt AA
 6063 Ls buf-off wh vfxl-fxl-micxl dns vdns i.p. gen sli fos loc vfos vcln thru out
 6073 Ls buf AA & bec lt-dk gy vfxl-micxl vdns hd-brit Sh blk-vdk gy fn txt flky
 6083 Ls buf-off wh vfxl-fxl-micxl incrly rthy txt & sft
 6096 Ls gysh wh-lt tn fxl-vfxl gen /rthy txt loc mod sparry & indist ool
 6104 Ls cont'd
 6110 Ls lt tn-off wh-gysh wh vfxl-fxl gen /rthy txt loc sdy-vsdy /decr amt sparry & ool Dol
 tr lt tn fxl frm-sft
 6123 Dol fr amt: lt gysh bn-lt bnsh tn fxl-vfxl dns dull gd flor NSOC Cht tr trnsf wh
 6132 Ls chng: m-dk bn micxl vdns brit sli dolie Dol lrg decr
 6141 Ls bn-lt gy vfxl-micxl vdns

SPERGEN 6136'

- 6154 Dol lrg incr: buf-bnsh buf mxl-cxl hd-sli fri vdns gen cln app
 6163 Dol buf cln AA /dk bn fxl-vfxl dns arg
 6177 Dol cont'd incr dk bn & dk gysh bn vfxl dns brit-hd Cht tr trnsf wh Sh incr: gn-gy-bn
 flky Morrow??
 6187 Ls & Dol AA Sh cont'd incr amt AA
 6197 Sh vhy amt Moorow cvngs Ls bnsh gy vfxl-fxl rthy txt fos sli arg
 6204 Ls cont'd sm amt Dol decr Sh vhy amt cvngs
 6209 Ls buf-gysh tn fxl-vfxl gen /rthy txt fos sli arg sli dolie Sh cont'd
 6225 Dol chng: sli tr bn Mdst arg Ls lt gysh-bnsh wh vfxl fos frags Ss sli tr Morrow lam: clr
 cg sb ang vhy sil cem Sh 90% cvngs