

WRS COMPLETION REPORTREISSUES
PI# 30-T-0002 10/06/89 SEC 33 TWP 22S RGE 36E
30-025-27157-0000 PAGE 1NMEX LEA * 660FNL 2310FEL SEC NW NE
STATE COUNTY FOOTAGE SPOT
ARCO O&G D D
OPERATOR WELL CLASS INIT FIN
1 LANGLEY ESMOND
WELL NO. LEASE NAME
3518KB 3490GR LANGLEY
OPER ELEV FIELD/POOL AREAAPI 30-025-27157-0000
LEASE NO. PERMIT OR WELL I.D. NO.
09/16/1981 09/10/1982 ROTARY VERT D&A-0
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
16000 ELLNBRGR FOREX-NEPTUNE DRLG 48 RIG SUB 26
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 15865 FM/TD ELLNBRGR
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM TD.**LOCATION DESCRIPTION**

6 MI SW EUNICE, NM

WELL IDENTIFICATION/CHANGES

SEC CHGD FROM 23

CASING/LINER DATACSG 30 @ 35 W/ 15 SACKS
CSG 13 3/8 @ 1388 W/ 1950 SACKS
CSG 9 5/8 @ 6295 W/ 4500 SACKS
CSG 7 @ 15835 W/ 3555 SACKS

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
SPL	FUSSELMN		14349 -10831	
SPL	MCKEE L		15346 -11828	

SUBSEA MEASUREMENTS FROM KB**PRODUCTION TEST DATA**ELLNBRGR PERF W/ 27/IT 15473-15788
PERF 15473-15788
ACID 15473-15788 10000GALS
WFR 15473-15788 59332GALS
FLWD 350 BLWPTS 3BO
ELLNBRGR PERF 15473-15788 19HRS

CONTINUED IC# 300257057380

Copyrighted 1989
Reproduction
Prohibited**Petroleum Information**P: WRS-GET
Form No 187**BB** a company of
The Dun & Bradstreet Corporation

REISSUES
PI# 30-T-0002 10/06/89 SEC 33 TWP 22S RGE 36E
30-025-27157-0000 PAGE 2

ARCO O&G
1

LANGLEY ESMOND

D D

PRODUCTION TEST DATA

PERF 15473-15788
SQZD W/ 490S 15473-15788
SWBD & FLWD 3 BO + 160 BLW IN 19 HRS & DIED
RET @ 15145

PTS 1UO 23BW
MCKEE PERF W/ 1/FT 15090-15120 GROSS
PERF 15090-15098 15108-15120
ACID 15090-15120 500GALS
SWBD 23 BW W/TR OIL IN 5 HRS 30 MINS

PTS 1UO 1 UG 10HRS
MCKEE PERF 15090-15120 GROSS
PERF 15090-15098 15108-15120
BXGF 15090-15120 50000GALS
48000 LBS BAUXITE
402000 SCF NTGN
SQZD W/ 300S 15090-15120
BRPG @13300
SWBD 67 BLW W/SSO&G IN 10 HRS
CMT RET @ 14770

PTS 6BOPD 15 MCFD 390BW 24HRS
DEVONIAN PERF W/ 24/IT 12602-12788
PERF 12602-12788
ACID 12602-12788 5000GALS
ADDTVNTGN
1000 SCF/BBL

PTS 125BW 9HRS
DEVONIAN PERF 12686-12788
PERF 12686-12788
PKR @ 12638
PULLED PKR @ 12638
COMMUNICATING W/UPPER PERFS

PTS 1UO 15 MCFD 80BW 4HRS
DEVONIAN PERF 12602-12656
FWTR
RBP @12678
SWBD 80 BFW (1% OIL) + 15 MCFG (EST) IN 4 HRS
PULLED RBP @ 12678

CONTINUED

REISSUES
PI# 30-T-0002 10/06/89 SEC 33 TWP 22S RGE 36E
30-025-27157-0000 PAGE 3

ARCO O&G
1

LANGLEY ESMOND

D D

PRODUCTION TEST DATA

DEVONIAN PERF 12686-12788
PERF 12686-12788
SQZD W/ 100S 12686-12788
RET @ 12661

PTS 45 MCFD 35BW 7HRS
DEVONIAN PERF 12602-12656
SWBD 35 BW (20% DIST) + 45 MCFG IN 7 HRS

PTS 1 UG 10HRS
DEVONIAN REPERF W/ 9/IT 12602-12656 GROSS
PERF 12602,12607,12614,12620,12631,12638,12643,12646
PERF 12656
ACID 12602-12656 5000GALS
SWBD 175 BLW W/SG IN 10 HRS

PTS 12BO 1 UG 95BW 9HRS
DEVONIAN REPERF 12602-12656 GROSS
PERF 12602,12607,12614,12620,12631,12638,12643,12646
PERF 12656
FWTR
SQZD W/ 150S 12602-12656
SWBD 12 BO + 95 BFW W/SSG IN 9 HRS
RET @ 12486

PTS 1UO 220BW 9HRS
STRAWN PERF W/ 9/IT 9425- 9461 GROSS
PERF 9425, 9429, 9433, 9436, 9439, 9444, 9453, 9459
PERF 9461
ACID 9425- 9461 500GALS
FWTR
BRPG @ 1905 9425- 9461
SWBD 220 BFW W/TR OIL IN 9 HRS

LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS	GRL	DILL	FRXL
LOGS	CNL	FDC	CAL
LOGS	GRSL	CBND	MICL
LOGS	SONL	FOCL	CALP
LOGS	CCL	DIPM	BHC
LOGS	TMPL	MSMG	

CONTINUED

REISSUES
 PI# 30-T-0002 10/06/89 SEC 33 TWP 22S RGE 36E
 30-025-27157-0000 PAGE 4

ARCO O&G
 1 LANGLEY ESMOND D D

DRILLING MEDIA /TYPE,DEPTH/						
4495	10.0	5700	9.9	6352	8.4	8334 8.7
9783	9.0	11385	9.0	11846	9.0	12335 9.1
13619	9.1	14349	9.3	15116	9.4	15157 9.3
15365	9.1	15591	9.3			

DRILLING BREAKS

 13947-13954
 15116-15135
 15346-15348

DRILLING PROGRESS DETAILS

 ARCO O&G
 BOX 1610
 MIDLAND, TX 79702
 915-688-5200
 PROJ FM - DEVONIAN & ELLENBURGER
 12/01 LOC/1980/
 09/18 DRLG 1175
 09/28 DRLG 4495
 10/05 DRLG 5700, VIS 29
 10/12 6295 TD, WSG
 10/12 STUCK DP
 10/16 6295 TD, WSG
 10/26 6295 TD, WSG
 10/30 6295 TD, FSG
 11/09 DRLG 6352, VIS 28
 11/09 RECD FISH
 11/13 DRLG 8334, VIS 28
 11/26 DRLG 9783, VIS 41
 12/08 DRLG 11385, VIS 46
 12/14 DRLG 11846, VIS 50
 12/22 DRLG 12335, VIS 56
 01/04 DRLG 13619, VIS 60
 01/11 14349 TD, TRIP, VIS 58
 01/19 15116 TD, TRIP, VIS 43
 01/22 DRLG 15157, VIS 73
 02/01 DRLG 15365, VIS 74
 02/04 DRLG 15591, VIS 90
 02/11 15386 TD, SDR
 02/19 15865 TD, WOCT

CONTINUED

REISSUES
PI# 30-T-0002 10/06/89 SEC 33 TWP 22S RGE 36E
PAGE 5

ARCO O&G
1

LANGLEY ESMOND

D D

DRILLING PROGRESS DETAILS

04/13 15865 TD, DOC
04/21 15865 TD, PB 15817, TSTG
04/23 15865 TD, PB 15817, PLG TBG
05/04 15865 TD, PB 15817, SWBG
05/10 15865 TD, PB 15817, PLG BHP BOMB
05/15 15865 TD, PB 15817, FSG PKR
05/24 15865 TD, PB 15817, FSG
06/01 15865 TD, PB 15817, MLG
06/04 15865 TD, PB 15817, MLG
06/14 15865 TD, PB 15817, TOH W/SHOE
06/21 15865 TD, PB 15817, FSG
06/30 15865 TD, PB 15145, RNG TBG
07/02 15865 TD, PB 15145, PREP ACID
07/09 15865 TD, PB 15145, PREP FRAC
07/19 15865 TD, PB 15145, WOO
07/22 15865 TD, PB 14770, WOC
07/30 15865 TD, PB 13300, SWBG
08/06 15865 TD, PB 13300, TSTG
08/16 15865 TD, PB 12661, SWBG
08/20 15865 TD, PB 12661, SWBG
08/24 15865 TD, PB 12661, SI
09/03 15865 TD, PB 12486, SI
09/09 15865 TD, PB 1905, PLG TBG
09/14 15865 TD, HOLDING FOR DATA
BHT 117 F @ 6293
BHT 150 F @ 9700
BHT 178 F @ 15841
RIG REL 02/18/82
10/11 15865 TD
COMP 9/10/82, D&A
NO CORES OR DSTS RPTD
10/03 REISSUED TO CORRECT SEC & ADD NO CORES
STMT
REPLACEMENT FOR CT ISSUED 10/16/82

SPERRY-SUN INCORPORATED
LEA COUNTY, NEW MEXICO

PAGE 1

ARCO OIL & GAS
LANGLEY ESMOND COMM.

BOSS-6096
JUNE 15, 1982

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
0	N 0 0 E	0 0	0.00	0.00 N	0.00 E	0.00	0.00
11900	N 0 0 E	0 0	11900.00	0.00 N	0.00 E	0.00	0.00
12000	N 9 30 W	4 18	11999.91	3.70 N	0.63 W	3.61	4.30
12100	N 17 0 W	4 5	12099.64	10.80 N	2.29 W	10.48	0.59
12200	N 16 36 W	4 2	12199.38	17.58 N	4.33 W	17.00	0.05
12300	N 10 24 W	4 4	12299.13	24.44 N	5.98 W	23.64	0.44
12400	N 1 30 E	3 28	12398.91	30.95 N	6.54 W	30.05	0.99
12500	N 1 42 W	3 24	12498.73	36.93 N	6.55 W	35.99	0.20
12600	N 2 24 E	3 34	12598.55	43.00 N	6.51 W	42.02	0.30
12700	N 2 54 W	3 34	12698.35	49.21 N	6.54 W	48.19	0.33
12800	N 0 42 E	3 41	12798.14	55.53 N	6.66 W	54.46	0.25
12900	N 2 24 W	3 38	12897.94	61.90 N	6.75 W	60.79	0.20
13000	N 2 6 E	3 8	12997.76	67.80 N	6.78 W	66.65	0.56
13100	N 0 18 W	3 5	13097.62	73.23 N	6.70 W	72.06	0.14
13200	N 3 0 W	2 57	13197.47	78.50 N	6.84 W	77.27	0.20
13300	N 5 42 E	3 2	13297.33	83.70 N	6.72 W	82.46	0.46
13400	N 12 18 E	3 0	13397.19	88.90 N	5.89 W	87.72	0.35
13500	N 14 6 E	3 7	13497.05	94.09 N	4.68 W	93.01	0.15
13600	N 15 48 E	3 10	13596.90	99.37 N	3.26 W	98.41	0.11
13700	N 21 0 E	3 9	13696.74	104.59 N	1.53 W	103.79	0.29
13800	N 18 36 E	3 17	13796.59	109.87 N	0.38 E	109.25	0.19
13900	N 15 54 E	3 7	13896.42	115.21 N	2.04 E	114.74	0.23
14000	N 13 0 E	3 37	13996.26	120.89 N	3.49 E	120.55	0.52
14100	N 9 24 E	3 8	14096.08	126.66 N	4.65 E	126.41	0.52
14200	N 11 48 E	3 16	14195.92	132.15 N	5.68 E	131.97	0.18
14300	N 12 36 E	3 11	14295.76	137.64 N	6.87 E	137.56	0.09
14400	N 10 12 E	2 47	14395.62	142.74 N	7.90 E	142.74	0.41
14500	N 9 0 E	2 43	14495.51	147.48 N	8.70 E	147.54	0.09
14600	N 9 12 E	1 44	14595.43	151.32 N	9.32 E	151.43	0.98
14700	N 5 24 E	2 4	14695.37	154.62 N	9.73 E	154.75	0.35
14800	N 9 6 E	2 5	14795.30	158.22 N	10.19 E	158.38	0.14
14900	N 17 42 E	3 8	14895.20	162.62 N	11.31 E	162.88	1.11
15000	N 25 12 E	3 29	14995.03	167.97 N	13.43 E	168.43	0.56
15100	N 30 6 E	4 1	15094.81	173.76 N	16.49 E	174.52	0.62
15180	N 33 24 E	4 52	15174.56	179.01 N	19.76 E	180.10	1.10

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG N 6 18 E

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 180.10 FEET, IN THE DIRECTION OF N 6 18 E

BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.