Petroleum Information.

COUNTY LEA FIELD Osudo, N. STATE NM

OPR HAMON, JAKE L. API 30-025-26314

NO 2 LEASE Union State MAP

Sec 30, T20S, R36E COORD

660' FNL, 560' FEL of Sec 11-3-20 NM

9 mi SW/Monument SPD 8-25-79 CMP 10-24-79 L & S

CSG

12 3/4" at 355' w/415 sx
8 5/8" at 5100' w/1900 sx
5 1/2" at 11,600' w/785 sx

WELL CLASS: INIT D FIN DG ELEV

| FORMATION | DATUM | FORMATION | DATUM |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

TD 11,600' (MRRW) PBD 11,527'

IP (Morrow) Perfs 11,338-350' CAOF 13,017 MCFGPD. GOR 205,009; gty (Gas) .603; (Cond) 53.6; SIWHP 2035#; SIBHP 2742#

CONTR Resource #4 OPRS ELEV 3647' G. PD 11,600' RT

F.R. 5-7-79
(Morrow)

9-4-79 Drlg 2040'
9-10-79 Drlg 5500'
9-18-79 Drlg 9056'
9-25-79 Drlg 10,821' lm & sh
10-2-79 Drlg 11,361' lm & sh
10-9-79 TD 11,600'; On DST #2
DST (Morrow) 11,305-407', open 3 hrs 30 mins w/wk blow incr sli, rec 6000' WB + 558' SGCM (Sampler rec 9.3 CFG + 1850cc's GCM @ 2200#), 1 hr ISIP 5437#, FP 2859-2917#, 2 hr FSIP 3145#, HP 6151-6151#, BHT 164 deg

10-16-79 TD 11,600'; MORT
DST (Morrow) 11,302-600', open 2 hrs 20 mins w/ good blow, GTS in 8 mins @ 310# incr to 750# (Flow Rate - NR), rec 410' SG&CCM (Sampler unable to meter gas No fluid rec), 1 hr ISIP 2781#, FP 2604-2516#, 4 hr FSIP 2784#, HP 6066-6066#, BHT 167 deg

10-23-79 TD 11,600'; PBD 11,527'; SI
Perf (Morrow) 11,338-350' w/2 SPF

11-12-79 Natural
TD 11,600'; PBD 11,527'; Complete
(Morrow) FOUR POINT GAUGES:
Flwd 1338 MCFGPD, 8/64" chk, 60 mins, TP 1910#
Flwd 2092 MCFGPD, 10/64" chk, 60 mins, TP 1862#
Flwd 2567 MCFGPD, 12/64" chk, 60 mins, TP 1833#
Flwd 3253 MCFGPD, 14/64" chk, 60 mins, TP 1783#
LOG TOPS: Rustler Anhydrite 1940', Salt 2070',
Base Salt 3505', Yates 3676', Seven Rivers 3938',
Queen 4340', San Andres 4988', Wolfcamp 10,258',
Strawn 10,618', Atoka 10,794'

11-17-79 LOGS RUN: CNDL, GRL, CCL
COMPLETION ISSUED 1-3-20 NM
IC 30-025-70158-79

# FLUID SAMPLE DATA

Sampler Pressure 2200 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 3.4
cc. Oil 0
cc. Water 0
cc. Mud 1850 Gas Cut
Tot. Liquid cc. 1850
Gravity ____ ° API @ ____ °F.
Gas/Oil Ratio ____ cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | ____ @ | ____ | °F. | ____ ppm |
| Recovery Mud | ____ @ | ____ | °F. | ____ ppm |
| Recovery Mud Filtrate | 0.119 @ | 69 | °F. | 75,000 ppm |
| Mud Pit Sample | ____ @ | ____ | °F. | ____ ppm |
| Mud Pit Sample Filtrate | 0.066 @ | 69 | °F. | 140,000 ppm |

Mud Weight 10.3 vis 54 cp

Date 10-3-79 Ticket Number 61903
Kind of Job OPEN HOLE Halliburton District HOBBS
Tester GIBSON & PAPPAS Witness COZART
Drilling Contractor RESOURSES DRILLING COMPANY NM

## EQUIPMENT & HOLE DATA

Formation Tested Morrow
Elevation 3644' Ground Ft.
Net Productive Interval 102' Ft.
All Depths Measured From Kelly Bushing
Total Depth 11,407' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 593' I.D. 2.25"
Drill Pipe Length 10,662' I.D. 3.826"
Packer Depth(s) 11,297' - 11,305' Ft.
Depth Tester Valve 11,257' Ft.

Cushion TYPE WATER AMOUNT 6000' Ft. Depth Back Pres. Valve NONE Surface Choke BUBBLE HOSE Bottom Choke 3/8"

Recovered 6558' Feet of TOTAL RECOVERY..
Recovered 372' Feet of heavily gas cut mud
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks CLOSED IN PRESSURES WERE QUESTIONABLE...SEE PRODUCTION TEST DATA SHEET FOR REMAINDER OF THE REMARKS... NOTE: 27 STANDS WERE LEFT IN THE HOLE. UNLOADED WATER AND MUD - NO SIGN OF OIL IN THE MUD...

| TEMPERATURE | Gauge No. 108 | | Gauge No. 106 | | Gauge No. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | Depth: 11,282' Ft. | | Depth: 11,403' Ft. | | Depth: Ft. | | | |
| Est. °F. | 24 Hour Clock | | 24 Hour Clock | | Hour Clock | | Tool Opened 0920 A.M. P.M. | |
| | Blanked Off NO | | Blanked Off YES | | Blanked Off | | | |
| Actual 164°F. | Pressures | | Pressures | | Pressures | | Opened A.M. Bypass 1550 P.M. | |
| | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
| Initial Hydrostatic | 6151 | 6185.1 | 6163 | 6208.3 | | | | |
| First Period Flow Initial | 2895 | 2816.9 | 2889 | 2833.8 | | | ____ | ____ |
| First Period Flow Final | 2917 | 2853.9 | 2889 | 2869.8 | | | 30 | |
| First Period Closed in | 5437 | 5479.9 | 5498 | 5498.6 | | | 60 | |
| Second Period Flow Initial | 2917 | 2928.3 | 2889 | 2930.7 | | | ____ | ____ |
| Second Period Flow Final | 2917 | 2911.1 | 2889 | 2916.9 | | | 180 | |
| Second Period Closed in | 3145 | 3079.9 | 3055 | 3086.1 | | | 120 | |
| Third Period Flow Initial | | | | | | | ____ | ____ |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 6151 | 6048.4 | 6163 | 6108.3 | | | ____ | ____ |

Legal Location Sec. Twp. Rng. 30 - 20S - 36E
Lease Name JAKE L. HAMON Well No. 2
Test No. 1 Tested Interval 11,105' - 11,407'
Field Area NORTH OSUDO MORROW
Meas. From Tester Valve
County LEA
State NEW MEXICO
Lease Owner/Company Name

FORM 161-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

16

Casing perfs. _____ Bottom choke 3/8" Surf. temp _____ °F Ticket No. _____035

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

| Date Time 10-2-79 a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 2030 | | | | | Testers on location. |
| 2330 | | | | | Picked up the tools. |
| 0130 | | | | | Run in the hole. |
| 10-3-79 0920 | BUBBLE HOSE | | | | Tool opened with a weak blow. |
| 0925 | | | | | Increased to a fair blow. |
| 0930 | | | | | No change. |
| 0940 | | .5 | | | Slight increase. |
| 0950 | | .5 | | | Closed tool - slight increase. |
| 1050 | | | | | Opened tool with a weak blow. |
| 1055 | | | | | Increased to a fair blow. |
| 1100 | | | | | " |
| 1110 | | | | | No change. |
| 1120 | | | | | " |
| 1130 | | | | | " |
| 1140 | | | | | Decreased. |
| 1150 | | | | | " |
| 1200 | | | | | " - Weak blow. |
| 1215 | | | | | No change. |
| 1230 | | | | | Decreased. |
| 1245 | | | | | " |
| 1300 | | | | | " |
| 1315 | | | | | " |
| 1330 | | | | | " |
| 1350 | | | | | Closed tool. |
| 1550 | | | | | Opened bypass - pulled loose. |
| | | | | | Started out of the hole... |

FORM 182-RI—PRINTED IN U.S.A.

# PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

16

# FLUID SAMPLE DATA

Sampler Pressure 2200 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 3.4
cc. Oil 0
cc. Water 0
cc. Mud 1850 Gas Cut
Tot. Liquid cc. 1850
Gravity ____ ° API @ ____ °F.
Gas/Oil Ratio ____ cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ °F. | | ppm | |
| Recovery Mud | @ °F. | | ppm | |
| Recovery Mud Filtrate | 0.119 @ 69 | °F. | 75,000 | ppm |
| Mud Pit Sample | @ °F. | | ppm | |
| Mud Pit Sample Filtrate | 0.066 @ 69 | °F. | 140,000 | ppm |

Mud Weight 10.3 vis 54 cp

Date 10-3-79 Ticket Number 619035
Kind of Job OPEN HOLE Halliburton District HOBBS
Tester GIBSON & PAPPAS Witness COZART
Drilling Contractor RESOURSES DRILLING COMPANY NM

## EQUIPMENT & HOLE DATA

Formation Tested Morrow
Elevation 3644' Ground Ft.
Net Productive Interval 102' Ft.
All Depths Measured From Kelly Bushing
Total Depth 11,407' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 593' I.D. 2.25"
Drill Pipe Length 10,662' I.D. 3.826"
Packer Depth(s) 11,297' - 11,305' Ft.
Depth Tester Valve 11,257' Ft.

Cushion TYPE WATER AMOUNT 6000' Ft. Depth Back Pres. Valve NONE Surface Choke BUBBLE HOSE Bottom Choke 3/8"

Recovered 6558' Feet of TOTAL RECOVERY..
Recovered 372' Feet of heavily gas cut mud
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks CLOSED IN PRESSURES WERE QUESTIONABLE...SEE PRODUCTION TEST DATA SHEET

FOR REMAINDER OF THE REMARKS... NOTE: 27 STANDS WERE LEFT IN THE HOLE.

UNLOADED WATER AND MUD - NO SIGN OF OIL IN THE MUD...

| TEMPERATURE | Gauge No. 108 Depth: 11,282' Ft. | | Gauge No. 106 Depth: 11,403' Ft. | | Gauge No. Depth: Ft. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | 24 Hour Clock | | 24 Hour Clock | | Hour Clock | | Tool Opened 0920 | A.M. P.M. |
| Est. °F. | Blanked Off NO | | Blanked Off YES | | Blanked Off | | Opened | A.M. |
| Actual 164°F. | Pressures | | Pressures | | Pressures | | Bypass 1550 | P.M. |
| | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
| Initial Hydrostatic | 6151 | 6185.1 | 6163 | 6208.3 | | | | |
| First Period Flow Initial | 2895 | 2816.9 | 2889 | 2833.8 | | | ——— | ——— |
| First Period Flow Final | 2917 | 2853.9 | 2889 | 2869.8 | | | 30 | |
| First Period Closed in | 5437 | 5479.9 | 5498 | 5498.6 | | | 60 | |
| Second Period Flow Initial | 2917 | 2928.3 | 2889 | 2930.7 | | | ——— | ——— |
| Second Period Flow Final | 2917 | 2911.1 | 2889 | 2916.9 | | | 180 | |
| Second Period Closed in | 3145 | 3079.9 | 3055 | 3086.1 | | | 120 | |
| Third Period Flow Initial | | | | | | | ——— | ——— |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 6151 | 6048.4 | 6163 | 6108.3 | | | ——— | ——— |

Legal Location Sec. Twp. Rng. 30 - 20S - 36E
Lease Name UNION STATE Well No. 2 Test No. 1
Field Area NORTH OSUDO MORROW County LEA State NEW MEXICO
Meg. From Tester Valve
Tested Interval 11,305' - 11,407'
Lease Owner/Company Name JAKE L. HAMON

FORM 181-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

16

Casing perfs. _____ Bottom choke 3/8" Surf. temp _____ °F Ticket No. 619035

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

| Date Time 10-2-79 a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remorks |
|---|---|---|---|---|---|
| 2030 | | | | | Testers on location. |
| 2330 | | | | | Picked up the tools. |
| 0130 | | | | | Run in the hole. |
| 10-3-79 0920 | BUBBLE HOSE | | | | Tool opened with a weak blow. |
| 0925 | | | | | Increased to a fair blow. |
| 0930 | | | | | No change. |
| 0940 | | .5 | | | Slight increase. |
| 0950 | | .5 | | | Closed tool - slight increase. |
| 1050 | | | | | Opened tool with a weak blow. |
| 1055 | | | | | Increased to a fair blow. |
| 1100 | | | | | " |
| 1110 | | | | | No change. |
| 1120 | | | | | " |
| 1130 | | | | | " |
| 1140 | | | | | Decreased. |
| 1150 | | | | | " |
| 1200 | | | | | " - Weak blow. |
| 1215 | | | | | No change. |
| 1230 | | | | | Decreased. |
| 1245 | | | | | " |
| 1300 | | | | | " |
| 1315 | | | | | " |
| 1330 | | | | | " |
| 1350 | | | | | Closed tool. |
| 1550 | | | | | Opened bypass - pulled loose. |
| | | | | | Started out of the hole... |

## FLUID SAMPLE DATA

Sampler Pressure 2800 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas
cc. Oil
cc. Water
cc. Mud
Tot. Liquid cc.
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ | °F. | | ppm |
| Recovery Mud | @ | °F. | | ppm |
| Recovery Mud Filtrate | @ | °F. | | ppm |
| Mud Pit Sample | @ | °F. | | ppm |
| Mud Pit Sample Filtrate | @ | °F. | | ppm |

Mud Weight 10.3 vis 48-50 sec

Date 10-8-79 Ticket Number 618861
Kind of Job OPEN HOLE Halliburton District HOBBS
Tester MR. ALBERTON / MR. WILLIAMS Witness MR. BILL COZART
Drilling Contractor PRESSURE DRILLING COMPANY RIG # 4 sm

## EQUIPMENT & HOLE DATA

Formation Tested Morrow
Elevation 3648' Ft.
Net Productive Interval 40' Ft.
All Depths Measured From Kelly bushing
Total Depth 11600' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 411' I.D. 2 13/16"
Drill Pipe Length 10843.35' I.D. 3.826"
Packer Depth(s) 11297-11302' Ft.
Depth Tester Valve 11256' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve
Surface Choke Floor manifold Bottom Choke 3/8"

Recovered 410 Feet of gas cut mud and distillate
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks SEE PRODUCTION TEST DATA SHEET

| TEMPERATURE | Gauge No. 1516 | | Gauge No. 1496 | | Gauge No. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | Depth: 11280 Ft. | | Depth: 11596 Ft. | | Depth: Ft. | | | |
| Est. 164 °F. | 24 Hour Clock | | 24 Hour Clock | | Hour Clock | | Tool Opened 1510 | A.M. P.M. |
| | Blanked Off no | | Blanked Off yes | | Blanked Off | | | |
| Actual °F. | Pressures | | Pressures | | Pressures | | Opened Bypass 2231 | A.M. P.M. |
| | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
| Initial Hydrostatic | 6066 | 6092.7 | 6221 | 6295.2 | | | | |
| First Period Flow Initial | 2604 | 2624.7 | 2791 | 2820.4 | | | ——— | ——— |
| First Period Flow Final | 2472 | 2551.8 | 2702 | 2720.6 | | | 20 | 19 |
| First Period Closed in | 2781 | 2821.1 | 2880 | 2906.8 | | | 64 | 66 |
| Second Period Flow Initial | 2472 | 2558.4 | 2702 | 2725.0 | | | ——— | ——— |
| Second Period Flow Final | 2516 | 2587.1 | 2680 | 2740.5 | | | 120 | 121 |
| Second Period Closed in | 2784 | 2827.8 | 2880 | 2906.8 | | | 240 | 238 |
| Third Period Flow Initial | | | | | | | ——— | ——— |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 6066 | Unable to read | 6221 | 6252.7 | | | ——— | ——— |

Legal Location Sec - Twp. - Rng. 30 - 20SOUTH RANGE 36E
Lease Name STATE # 2
Well No. 2
Test No. 2
Tested Interval 11302 - 11500'
Field Area NORTH OSUDO
County LEA
State NEW MEXICO
Lease Owner/Company Name JAKE L. HAMON
Meas. From Tester Valve

FORM 181-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

17

Casing perfs.____ Bottom choke____ Surf. temp____ °F Ticket No. 618861

Gas gravity____ Oil gravity____ GOR____

Spec. gravity____ Chlorides____ ppm Res.____ @____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 0800 | | | | | On location |
| 0900 | | | | | Picked up tools |
| 1115 | | | | | Started tools in hole |
| 1510 | Bubble hose | | | | Opened with good blow increasing |
| 1514 | " | 70 | | | Good blow increasing |
| 1515 | " | 150 | | | Good blow increasing |
| 1517 | " | 200 | | | Good blow increasing |
| 1518 | " | 220 | | | Gas to the surface |
| 1519 | " | 250 | | | Closed in on surface |
| 1519 | 3/8" | 300 | | | Opened on surface |
| 1519 | " | 300 | | | Increasing |
| 1524 | " | 560 | | | Increasing |
| 1529 | " | 750 | | | Increasing |
| 1530 | | | | | Closed tool |
| 1634 | 1/2" | | | | Reopened tool |
| 1639 | " | 200 | | | Good blow |
| 1644 | " | 400 | | | Increasing |
| 1649 | " | 575 | | | Increasing |
| 1653 | " | 700 | | | Fluid to surface (drilling mud) |
| 1658 | " | 1000 | | | Fluid to surface |
| 1703 | " | 1000 | | | Fluid to surface |
| 1707 | " | 1100 | | | Closed at surface (to let car pass) |
| 1708 | " | 1100 | | | Opened at surface |
| 1712 | " | 1100 | | | Closed at surface (to let car pass) |
| 1713 | " | 1400 | | | Opened at surface |
| | | | | | |

Casing perfs.____ Bottom choke____ Surf. temp____ °F Ticket No. 618861 Page 2

Gas gravity____ Oil gravity____ GOR____

Spec. gravity____ Chlorides____ ppm Res.____ @____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 1718 | 1/2" | 1200 | | | All mud gone - straight gas |
| 1723 | " | 1400 | | | Closed in at surface (lit flare) |
| 1724 | " | 1200 | | | Opened at surface |
| 1734 | " | 1200 | | | Holding steady |
| 1744 | " | 1200 | | | Holding steady |
| 1754 | " | 1100 | | | Lost 100 PSI |
| 1804 | " | 1100 | | | Holding steady |
| 1814 | " | 1100 | | | Holding steady |
| 1824 | " | 1100 | | | Holding steady |
| 1834 | " | 1100 | | | Holding steady |
| 1835 | | | | | |
| 2235 | | | | | |
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FORM 182-R1—PRINTED IN U.S.A.

# PRODUCTION TEST DATA

LITTLE'S 96672 5M 6/74

77

## FLUID SAMPLE DATA

Sampler Pressure 2800 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas
cc. Oil
cc. Water
cc. Mud
Tot. Liquid cc.
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ | °F. | | ppm |
| Recovery Mud | @ | °F. | | ppm |
| Recovery Mud Filtrate | @ | °F. | | ppm |
| Mud Pit Sample | @ | °F. | | ppm |
| Mud Pit Sample Filtrate | @ | °F. | | ppm |

Mud Weight 10.3 vis 48-50 sec

Date 10-8-79 Ticket Number 618861
Kind of Job OPEN HOLE Halliburton District HOBBS
MR. ALBERTON
Tester MR. WILLIAMS Witness MR. BILL COZART
Drilling Contractor PRESSURE DRILLING COMPANY RIG # 4 sm

## EQUIPMENT & HOLE DATA

Formation Tested Morrow
Elevation 3648' Ft.
Net Productive Interval 40' Ft.
All Depths Measured From Kelly bushing
Total Depth 11600' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 411' I.D. 2 13/16"
Drill Pipe Length 10843.35' I.D. 3.826"
Packer Depth(s) 11297-11302' Ft.
Depth Tester Valve 11256' Ft.
Cushion. TYPE AMOUNT Ft. Depth Back Pres. Valve
Surface Choke Floor manifold Bottom Choke 3/8"

Recovered 410 Feet of gas cut mud and distillate
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of
Remarks SEE PRODUCTION TEST DATA SHEET

| TEMPERATURE | Gauge No. 1516 | Gauge No. 1496 | Gauge No. | TIME |
|---|---|---|---|---|
| | Depth: 11280 Ft. | Depth: 11596 Ft. | Depth: Ft. | |
| Est. 164 °F. | 24 Hour Clock | 24 Hour Clock | Hour Clock | Tool Opened 1510 A.M. P.M. |
| | Blanked Off no | Blanked Off yes | Blanked Off | Opened A.M. |
| Actual °F. | Pressures | Pressures | Pressures | Bypass 2231 P.M. |

| | | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
|---|---|---|---|---|---|---|---|---|---|
| Initial Hydrostatic | | 6066 | 6092.7 | 6221 | 6295.2 | | | | |
| First Period | Flow Initial | 2604 | 2624.7 | 2791 | 2820.4 | | | | |
| | Flow Final | 2472 | 2551.8 | 2702 | 2720.6 | | | 20 | 19 |
| | Closed in | 2781 | 2821.1 | 2880 | 2906.8 | | | 64 | 66 |
| Second Period | Flow Initial | 2472 | 2558.4 | 2702 | 2725.0 | | | | |
| | Flow Final | 2516 | 2587.1 | 2680 | 2740.5 | | | 120 | 121 |
| | Closed in | 2784 | 2827.8 | 2880 | 2906.8 | | | 240 | 238 |
| Third Period | Flow Initial | | | | | | | | |
| | Flow Final | | | | | | | | |
| | Closed in | | | | | | | | |
| Final Hydrostatic | | 6066 | Unable to read | 6221 | 6252.7 | | | | |

Legal Location Sec - Twp. - Rng. 30 - 20SOUTH RANGE 36E
Lease Name [illegible] STATE # 2
Well No. 2
Test No.
Tested Interval 11,302 - 11,340'
Field Area NORTH OSUDO
Meas. From Tester Valve
County LEA
State NEW MEXICO
Lease Owner/Company Name JAKE L. HAMON

FORM 181-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

17

Casing perfs._____ Bottom choke_____ Surf. temp_____ °F Ticket No. 618861

Gas gravity_____ Oil gravity_____ GOR_____

Spec. gravity_____ Chlorides_____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 0800 | | | | | On location |
| 0900 | | | | | Picked up tools |
| 1115 | | | | | Started tools in hole |
| 1510 | Bubble hose | | | | Opened with good blow increasing |
| 1514 | " | 70 | | | Good blow increasing |
| 1515 | " | 150 | | | Good blow increasing |
| 1517 | " | 200 | | | Good blow increasing |
| 1518 | " | 220 | | | Gas to the surface |
| 1519 | " | 250 | | | Closed in on surface |
| 1519 | 3/8" | 300 | | | Opened on surface |
| 1519 | " | 300 | | | Increasing |
| 1524 | " | 560 | | | Increasing |
| 1529 | " | 750 | | | Increasing |
| 1530 | | | | | Closed tool |
| 1634 | 1/2" | | | | Reopened tool |
| 1639 | " | 200 | | | Good blow |
| 1644 | " | 400 | | | Increasing |
| 1649 | " | 575 | | | Increasing |
| 1653 | " | 700 | | | Fluid to surface (drilling mud) |
| 1658 | " | 1000 | | | Fluid to surface |
| 1703 | " | 1000 | | | Fluid to surface |
| 1707 | " | 1100 | | | Closed at surface (to let car pass) |
| 1708 | " | 1100 | | | Opened at surface |
| 1712 | " | 1100 | | | Closed at surface (to let car pass) |
| 1713 | " | 1400 | | | Opened at surface |
| | | | | | |

Casing perfs.____ Bottom choke____ Surf. temp____ °F Ticket No. 618861 Page 2

Gas gravity____ Oil gravity____ GOR____

Spec. gravity____ Chlorides____ ppm Res.____ @____ °F

**INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED**____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 1718 | 1/2" | 1200 | | | All mud gone - straight gas |
| 1723 | " | 1400 | | | Closed in at surface (lit flare) |
| 1724 | " | 1200 | | | Opened at surface |
| 1734 | " | 1200 | | | Holding steady |
| 1744 | " | 1200 | | | Holding steady |
| 1754 | " | 1100 | | | Lost 100 PSI |
| 1804 | " | 1100 | | | Holding steady |
| 1814 | " | 1100 | | | Holding steady |
| 1824 | " | 1100 | | | Holding steady |
| 1834 | " | 1100 | | | Holding steady |
| 1835 | | | | | |
| 2235 | | | | | |
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# PRODUCTION TEST DATA

LITTLE'S 96672 5M 8-74

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