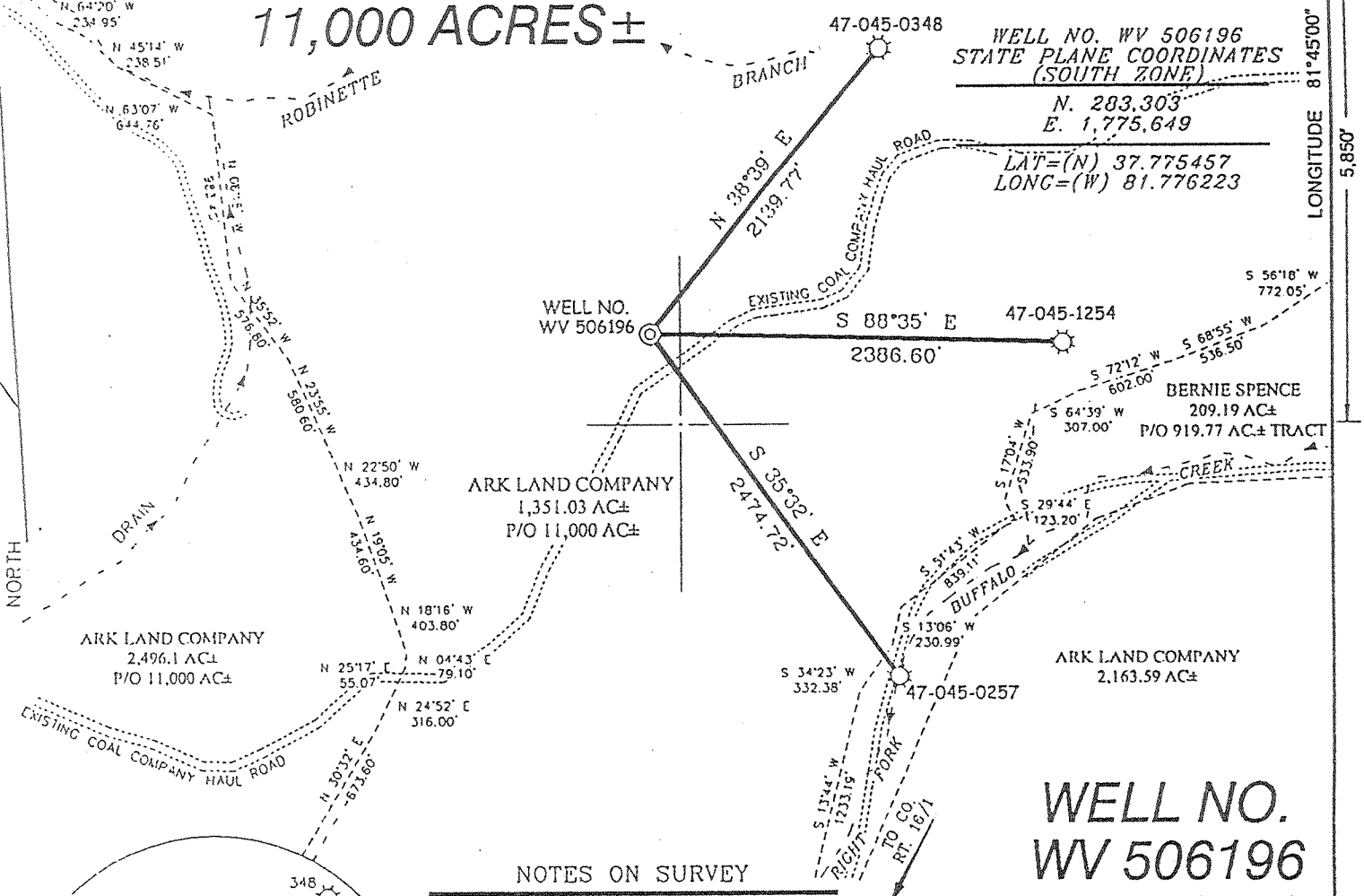


AMHERST LAND COMPANY LEASE

11,000 ACRES±



WELL NO. WV 506196
 STATE PLANE COORDINATES
 (SOUTH ZONE)

N. 283.303
 E. 1,775.649

LAT=(N) 37.775457
 LONG=(W) 81.776223

ARK LAND COMPANY
 1,351.03 AC±
 P/O 11,000 AC±

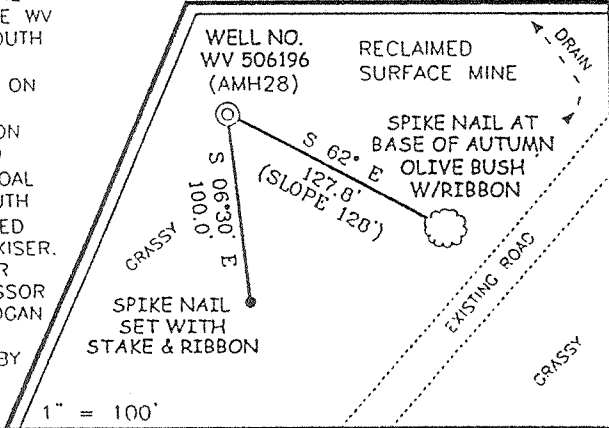
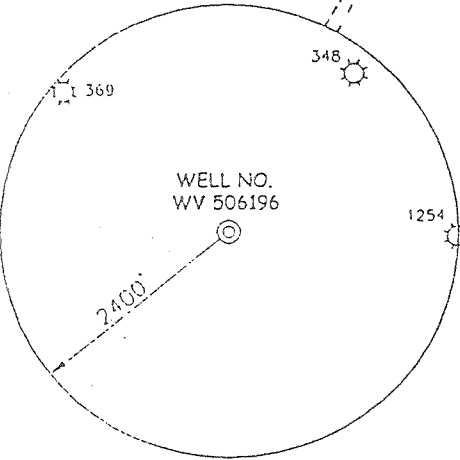
ARK LAND COMPANY
 2,496.1 AC±
 P/O 11,000 AC±

ARK LAND COMPANY
 2,163.59 AC±

WELL NO. WV 506196 REFERENCES

NOTES ON SURVEY

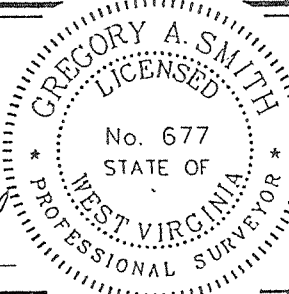
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 6/05/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DOCUMENT TITLED "ABSTRACT IV OF BUFFALO CREEK COAL AND COKE COMPANY LEASE TO SOUTH PENN NATURAL GAS COMPANY" DATED NOVEMBER 6, 1952 BY WOODROE & KISER.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2002.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER GRADE).



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JUNE 11, 20 03

OPERATORS WELL NO. WV 506196

API WELL NO. 47-045-01561 W
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4048P506196 (141-61)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 1000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2,149' WATERSHED ROBINETTE BRANCH OF BUFFALO CREEK
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE AMHERSTDALE 7.5'

SURFACE OWNER ARK LAND COMPANY ACREAGE 1,351.03±
 ROYALTY OWNER EQUITABLE PRODUCTION COMPANY & DOMINION EXPLORATION AND PRODUCTION LEASE ACREAGE 11,000±

PROPOSED WORK: LEASE NO. 006457
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE
 ESTIMATED DEPTH 6,510'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE
 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

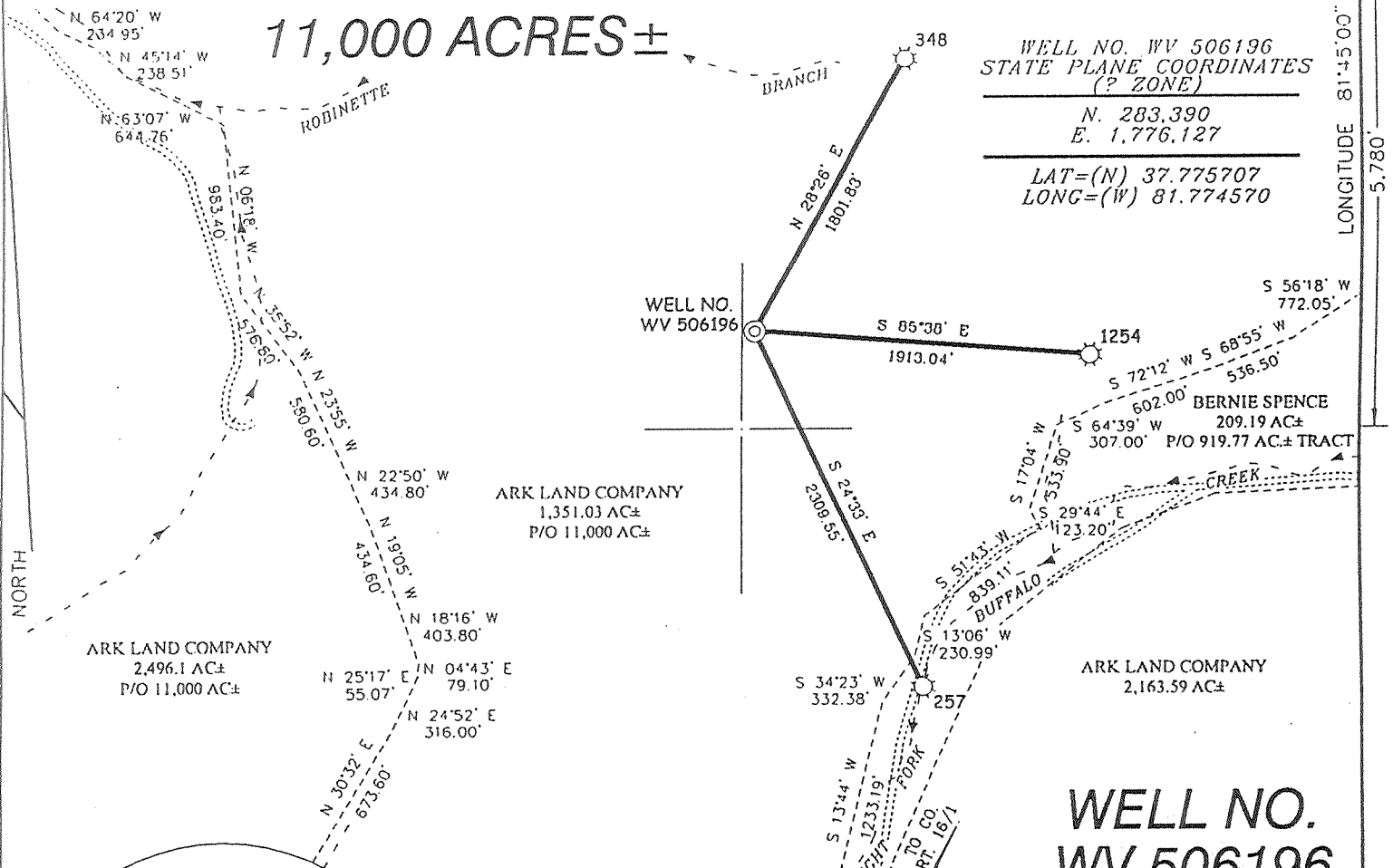
JUL 11 2003

COUNTY NAME LOGAN
 PERMIT 1561 W

AMHERST LAND COMPANY LEASE

11,000 ACRES ±

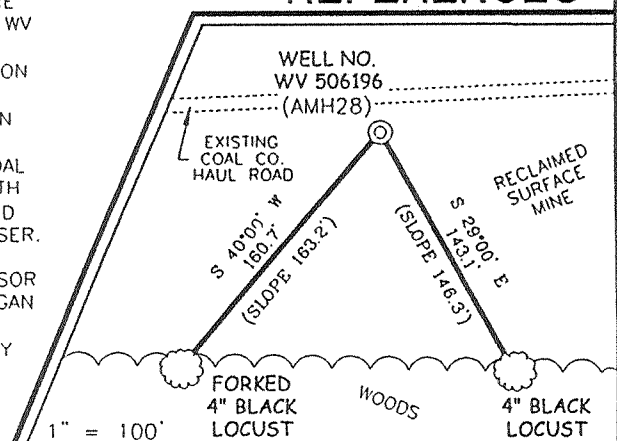
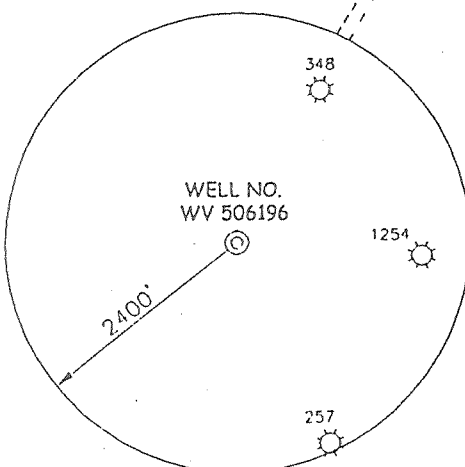
7.080' LATITUDE 37°47'30"



WELL NO. WV 506196 REFERENCES

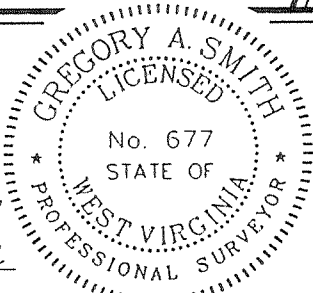
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 3/13/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DOCUMENT TITLED "ABSTRACT IV OF BUFFALO CREEK COAL AND COKE COMPANY LEASE TO SOUTH PENN NATURAL GAS COMPANY" DATED NOVEMBER 6, 1952 BY WOOROE & KISER.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2002.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 4 20 03
 OPERATORS WELL NO. WV 506196
 API WELL NO. 47-045-01561
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4048P506196 (141-25)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION = 1,022' SCALE 1" = 1000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE : OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION :
 ELEVATION 2,164' WATERSHED RIGHT FORK OF BUFFALO CREEK
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE AMHERSTDALE 7.5'

SURFACE OWNER ARK LAND COMPANY ACREAGE 1,351.03
 ROYALTY OWNER EQUITABLE PRODUCTION COMPANY & DOMINION EXPLORATION AND PRODUCTION LEASE ACREAGE 11,000
 PROPOSED WORK : LEASE NO. 006457

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE
 ESTIMATED DEPTH 6,520'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE
 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328

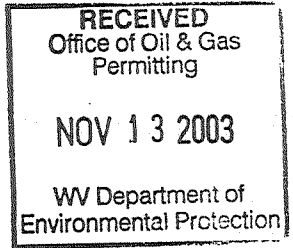
66 Memo Oceana (266)

COUNTY NAME LOGAN
 PERMIT 1561

027

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work



Farm Name: Ark Land Company Operator Well No.: 506196

LOCATION: Elevation: 2,149.00 Quadrangle: Amherstdale

District: Triadelphia

County: Logan

Deg. Minutes Seconds

Latitude: 5850 Feet South of 37 47 30
Longitude: 7550 Feet West of 81 45 0

Company: Equitable Production Company
1710 Pennsylvania Avenue
Charleston, WV 25302

Agent: Stephen G. Perdue

Inspector: Ralph Triplett

Permit Issued: 7/10/2003
Well work commenced: 09/09/03
Well work completed: 10/07/03

Verbal Plugging
Permission granted on: _____

Rotary Rig Cable Rig _____

Total Depth 6349' feet

Fresh water depths (ft) 46'

Salt water depths (ft) 2138'

Is coal being mined in area? _____

Coal Depths (ft): See Attached

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	48'	48'	Grtd
9-5/8"	1596'	1596'	649 Ft ³
7"	2953'	2953'	617 Ft ³
4 1/2"	6315'	6315'	530 Ft ³

No tbg reported

OPEN FLOW DATA

Producing formation Lower Shale, Upper Shale, Berea, Big Lime & Middle Maxton Pay Zone Depth (ft): _____

Gas: Initial open flow 351 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow: 4109 MCF/d Final open flow: _____
Time of open flow between initial and final tests _____ Hours
Static rock pressure 565 psig (surface pressure) after _____ Hours

Second producing formation Pay Zone Depth (ft): _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow: _____ MCF/d Final open flow: _____
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Equitable Production Company

By: *[Signature]*
Date: 10/21/03

106 1561

NOV 26 2003

**EQUITABLE PRODUCTION COMPANY
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary**

Well: WV-506196 – Ark Land Company

API# 47-045-01561

Date	09/25/03	09/25/03	09/25/03	09/25/03	09/25/03	10/03/03
Type Frac Acid, N ₂ , Foam, Water	N ²	N ²	V Q Foam	Acid / N ²	V Q Foam	V Q Foam
Zone Treated	Lower Shale	Upper Shale	Berea	Big Lime	Middle Maxton	Middle Maxton
# Perfs From - To:	47 5360' – 6297'	43 5353' – 4236'	25 4154' – 4178'	15 3578' – 3592'	25 3013' - 3036	25 3022' – 3065'
BD Pressure @ psi	3386	3152	1074	3917	591	N/A
ATP psi	3695	3137	2486	3010	N/A	3395
Avg. Rate, B=B/M, S= SCF/M	50514 S	50423 S	18005 S	13728 S	N/A	32 B
Max. Treat Press psi	4238	3452	2783	3917	N/A	3760
ISIP psi	3006	2477	17	1835	N/A	2938
Frac Gradient	.61	.61	.46	.61	N/A	1.3
10 min S-I Pressure	1959	2119	1400	1600	N/A	1980
Material Volume						
Sand-sks	0	0	404	0	0	129
Water-bbl	0	0	254200	0	0	264
SCF N ₂	815000	801000	413000	260000	0	835000
Acid-gal	798 gals 7.5%	840 gals 7.5%	1000 gals 15%	2000 gals 15%	500 gals 15%	500 gals 15%
NOTES:					Well circulated on annulus	

TOP	BOTTOM	FORMATION	REMARKS
			124' – 128'; 885' – 888'; 892' – 896'; 975' – 978'; 1029' – 1032' & 1222' – 1227';
2993	3076	COAL:	
3185	3208	MIDDLE MAXTON:	GT @ 1630' & 2461', = NS
3250	3305	LOWER MAXTON:	GT @ 3052', 4/10 = 7" w/ water = 901 mcf.
3319	3604	LITTLE LIME:	GT @ 3083', 18/10 – 2" w/ water = 178 mcf.
3700	3817	BIG LIME:	GT @ 3301', 6/10 = 2" w/ water = 103 mcf.
		WEIR:	GT @ 3550', 3644' & 4017', 68/10 – 2" w/ water = 351 mcf.
4136	4157	SUNBURY:	GT @ 3800', & 5105', 64/10 – 2" w/ water = 338 mcf.
4157	4200	BEREA:	GT @ 4235' & 5790', 90/10 – 2" w/ water = 398 mcf.
5232	5752	LOWER HURON:	GT @ 4390', 100/10 – 2" w/ water = 419 mcf.
5253	5350	LOWER HURON SILTSTONE:	GT @ 4515' & 4794, 80/10 – 2" w/ water = 375 mcf.
5752	5899	JAVA:	GT @ 5199', 72/10 – 2" w/ water = 351 mcf.
5899	6175	ANGOLA:	GT @ DC & 5510', 70/10 – 2" w/ water = 351 mcf.
6175		RHINESTREET:	GT @ 6101', 78/10 – 2" w/ water = 375 mcf.
	6389	TD:	GT @ TD, 66/10 – 2" w/ water = 338 mcf.

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Ark Land Company Operator Well No.: 506196

LOCATION: Elevation: 2,149.00 Quadrangle: Amherstdale

District: Triadelphia County: Logan

Latitude: 5850 Feet South of Deg. Minutes Seconds
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81 45 0

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Inspector: Ralph Triplett

Permit Issued: 7/10/2003
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Permission granted on: _____

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Total Depth 6349' feet

Fresh water depths (ft) 46'

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7"	2953'	2953'	617 Ft ³
4 1/2"	6315'	6315'	530 Ft ³

RECEIVED
Office of Oil & Gas

FEB 10 2006

No tbg reported

Division of Environmental Protection

OPEN FLOW DATA

Producing formation Lower Shale, Upper Shale, Berea, Big Lime & Middle Maxton Pay Zone Depth (ft):

Gas: Initial open flow 351 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow: 4109 MCF/d Final open flow: _____
Time of open flow between initial and final tests _____ Hours
Static rock pressure 565 psig (surface pressure) after _____ Hours

Second producing formation Pay Zone Depth (ft):
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Final open flow: _____ MCF/d Final open flow: _____
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For: Equitable Production Company

By: [Signature]
Date: 10/21/03

1061 1561

FEB 10 2006

EQUITABLE PRODUCTION COMPANY
WR-35 COMPLETION REPORT - Attachment
Well Treatment Summary

Well: WV-506196 - Ark Land Company

API# 47-045-01561

Date	09/25/03	09/25/03	09/25/03	09/25/03	09/25/03	10/03/03
Type Frac	N ²	N ²	V.O. Foam	Acid / N ²	V.O. Foam	V.O. Foam
Acid, N ₂ , Foam, Water						
Zone Treated	Lower Shale	Upper Shale	Berea	Big Lime	Middle Maxton	Middle Maxton
# Perfs From - To:	47 5360' - 6297'	43 5353' - 4236'	25 4154' - 4178'	15 3578' - 3592'	25 3013' - 3036	25 3022' - 3065'
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FEB 10 2006